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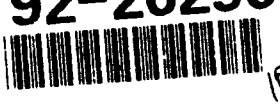
This report serves as documentation of the Defense Medical Information System (DMIS) Relative Weighted Product (RWP) computation and assignment process. Included are an overview of the process, detailed step-by-step guidelines for running the computer programs, and discussion of Quality Control (QC) and information reports used to validate the data and summarize the results.



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VRI-DMIS-2.60 WP92-10
J. Hufford
T. Ritter
15 July 1992

DRAFT
FOR REVIEW AND DISCUSSION
SUBJECT TO CHANGE

SIDR RELATIVE WEIGHTED PRODUCT (RWP) ASSIGNMENT PROCESS

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FOREWORD

This report serves as documentation of the Defense Medical Information System (DMIS) relative weighted product (R_W) computation and assignment process. Included are an overview of the process, detailed step-by-step guidelines for running the computer programs, and discussion of quality control (QC) and information reports used to validate the data and summarize the results. This document was completed under contract number MDA903-88-C-0147. Questions or comments should be directed to LTC Stuart Baker, OASD(HA) Resource Analysis and Management Systems, (703) 756-1918.

CONTENTS

LIST OF EXHIBITS

LIST OF EXHIBITS
(Continued)

1.0 GENERAL INFORMATION

This document describes the process that assigns Relative Weighted Products (RWPs) as a part of the DMIS production cycle. The document describes the inputs, processing software, and computer system considerations necessary to perform RWP assignment to Biometrics inpatient discharge record data. Terms and abbreviations used within this document are defined below. Chapter 2.0 provides a process overview and chapter 3.0 describes the process in detail.

Diagnosis Related Group (DRG) Weight -- an index number that reflects the relative resource consumption associated with each DRG. FY91 DRG weights were adopted from CHAMPUS, as published in the **Federal Register**[1], and modified as published in **Development and Impact of Implementing FY91 (Version 8) CHAMPUS DRG Weights and Outlier Criteria**.

Grouper -- a computer software program that is used to assign appropriate DRG's to discharges using the following information: patient's age and sex, principal diagnosis, principal procedures performed, discharge status, and (for neonates) birth weight.

Relative Weighted Products (RWPs) -- dispositions from Biometrics weighted by CHAMPUS DRG relative weights. Each disposition from the Services' Biometrics systems is assigned a DRG and weighted by the appropriate CHAMPUS weight for that DRG in accordance with the rules for workload credit described in the FY92 **Military Health Services System (MHSS) Diagnosis Related Group (DRG) Based Resource Allocation Guidance**[3].

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[1] Vol. 55, No. 214, 5 November, 1990, pp. 46547-46557.

[2] VRI-DMIS-2.60 WP92-5 Vector Research, Incorporated, Ann Arbor, Michigan, 20 May 1992.

[3] To be released.

Trim Points -- the length of stay cutoff points or thresholds that separate patients with unusually long or short lengths-of-stay (LOS) from "normal" cases within each DRG. Patients who exceed these cutoff or points are classified as outliers and are eligible for additional workload credit. FY91 trim points were adopted from CHAMPUS, as published in the Federal Register[1].

[1] Vol 55, No. 214, pp 46547-46557.

2.0 PROCESS OVERVIEW

2.1 SYSTEM APPLICATION

The Standard Inpatient Data Record (SIDR) RWP processor appends the following information to the 537 byte Biometrics SIDR record, as processed by the DMIS:

- base RWPs;
- long-stay outlying bed day RWPs;
- outlier status flag;
- transfer status flag; and
- a one-character filler.

In addition to the RWP and status flag attachment, the RWP processor includes quality checking programs to read in the output data and perform tabulations that may be checked against tabulations performed in the course of the RWP attachment programs. This document refers to the most recent version of the SIDR RWP processing system, which was modified to process the FY91 Biometrics data grouped by DRG. The SIDR RWP processor may be edited and applied to any Biometrics data. This document provides the information necessary to perform the edits and execute the programs. All programs were written to be submitted under WYLBUR on the Ft. Detrick computer system. All file references are to files on the Ft. Detrick system.

2.2 SOFTWARE INVENTORY

The SIDR RWP processor consists of 14 SAS programs, two specific to each of the Services, and eight quality control (QC)/information programs. The six Service specific programs are:

- Army: HAF.CON.VRI.TMR.SIDR.RWPARMY.PROG91;
  HAF.CON.VRI.TMR.SIDR.RWPARMQC.PROG91;
- Navy: HAF.CON.VRI.TMR.SIDR.RWPNAVY.PROG91;
  HAF.CON.VRI.TMR.SIDR.RWPNAVQC.PROG91;
- Air Force: HAF.CON.VRI.TMR.SIDR.RWPUSAF.PROG91; and
  HAF.CON.VRI.TMR.SIDR.RWPAIRQC.PROG91.

The first program listed for each Service is the RWP/status flag attachment program. The second is a QC program for each Service branch that performs various RWP and disposition tabulations to check the integrity of a merge that occurs in the course of the SIDR RWP computation and attachment. Hardcopy of the processing code for Army data is presented in appendix B. Appendix B also presents the job control language (JCL) used to execute the Navy and Air Force data processing. The SAS code for processing the Navy and Air Force data is identical to that for the Army. These programs were written to be submitted under WYLBUR on the Ft. Detrick computer system.

The eight other QC/information programs will be discussed in greater detail in Chapter 3, and hardcopy of these programs can be found in appendix B. The programs are:

- HAF.CON.VRI.TMR.TRIMPTQC.PROG;
- HAF.CON.VRI.TMR.BEDDAYQC.PROG;
- HAF.CON.VRI.TMR.CROSSTAB.PROG;
- HAF.CON.VRI.TMR.LOSPCTQC.PROG;
- HAF.CON.VRI.TMR.LOSFROQC.PROG;
- HAF.CON.VRI.TMR.RWPDRGQC.PROG;
- HAF.CON.VRI.TMR.RWPMTFQC.PROG; and
- HAF.CON.VRI.TMR.RWPSVCQC.PROG.

2.3 DATA INPUTS

The input Biometrics data for the FY91 SIDR RWP processing were contained in the following three files:

- Army: HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA;
- Navy: HAF.CON.VRI.MYT.NAVY.G123491.SIDR.VA; and
- Air Force: HAF.CON.VRI.MYT.USAF.G123491.SIDR.VA.

These were flat files contained on tape at the Ft. Detrick system. The layouts for these files are contained in appendix A. In addition to the Biometrics input data, there is one other file required. The file used for the FY91 runs was:

- HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS.

This is a SAS data set containing DRG weights, geometric means of length of stay (GLOS), short-stay trim points, and long-stay trim points for each DRG. The weights are modified CHAMPUS FY91 (Version 8) DRG weights, and the trim points are the CHAMPUS Version 8 trim points. Table A-2 in appendix A presents the DRG weights and trim points as modified for direct care use.

2.4 PROCESS OUTPUTS

There were three files created by the SIDR RWP processor for FY91 Biometrics data, one for each Service branch:

- Army: HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91;
- Navy: HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91; and
- Air Force: HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91.

These files are duplicates of the input files except the RWPs and status flags noted earlier are attached to each record. The layouts for the additional fields in the output files are contained in section 3.4.4 and table A-3 in appendix A. Additionally, the QC/Information programs mentioned above produce summary output reports.

2.5 ADDITIONAL PROCESS INFORMATION

Since changes in policy may require changes to the SIDR RWP processor, a member of the RCMAS project staff should be consulted prior to attaching RWPs. Along with the policy changes, there are a number of preliminary analyses which must be conducted prior to running the SIDR RWP Processor:

- New DRG weights, CHAMPUS GLOS, and trim points must obtained from the Federal Register consistent with the DRG grouper version employed to assign DRGs to the data.
- DRGs requiring exceptional policies must be identified and these policies implemented in the SAS code. (Exception DRGs in the FY91 processing were DRGs 436, 600, 601, 603, 605, and 608.)
- Any change in outlier credit policy must be implemented in the SAS code. Currently, short-stay outlier per diem credit is 200% of DRG per diem credit and long-stay outlier per diem credit is 60% of DRG per diem credit.
- Any new admission source codes or recoded disposition codes must be determined and added to the section of the source code defining transfer status. A summary procedure should be run over the admission source codes and recoded disposition codes to determine if they are correct. They can be compared to the transfer status flag (DRGICAT) and to the previous year's codes to determine if any modifications need to be made. The current codes are listed in table A-4 appendix A.

Having provided an overview of the RWP assignment process, chapter 3.0 provides a step-by-step description of a process job run.

3.0 DESCRIPTION OF PROCESS JOB RUNS

This chapter provides a step-by-step detailed description of an RWP assignment job run. Army data are used as an example, but Navy and Air Force data are processed in precisely the same manner. This chapter is organized in the following manner:

- section 3.1 presents the elements required to complete the run;
- section 3.2 discusses task sequencing;
- section 3.3 describes data validation and diagnostic procedures;
- section 3.4 is a step-by-step review of the RWP assignments run; and
- section 3.5 is a step-by-step review of the QC/information programs run.

3.1 RUN INVENTORY

The runs involved in the Army portion of the SIDR RWP processor are:

- HAF.CON.VRI.TMR.SIDR.RWPARMY.PROG91 and
- HAF.CON.VRI.TMR.SIDR.RWPARMQC.PROG91.

As noted previously, the first program computes RWPs associated with each Army Biometrics record and attaches these RWPs, as well as the status flags identified earlier, to each record and writes out the expanded record to a flat file. In the course of computing and attaching the RWPs to the Biometrics records, the program performs tabulations according to the values of selected variables. The second program reads in the flat file written by the first program, tabulates RWPs according to the values of the same variables used in the first program, and prints these tabulations in the job log. This job log can then be used

as an element to QC the process and to verify that the RWPs computed in the first program were attached to the proper records. The Navy portion of the SIDR RWP processor involves the following programs:

- HAF.CON.VRI.TMR.SIDR.RWPNAVY.PROG91 and
- HAF.CON.VRI.TMR.SIDR.RWPNAVQC.PROG91.

The Air Force SIDR RWP processor consists of the following programs:

- HAF.CON.VRI.TMR.SIDR.RWPUSAF.PROG91 and
- HAF.CON.VRI.TMR.SIDR.RWPAIRQC.PROG91.

As for the Army, the first program listed for the Navy and Air Force is the RWP computation and attachment program, while the second program performs the QC tabulations.

During the FY91 processing, each of the programs listed was run twice: a preliminary run to create temporary files, which were the subject of diagnostic testing, and a final run to create the permanent datasets. Diagnostic testing was also performed on the outputs of the final runs. The job log from each final run is contained in appendix C.

3.2 TASK SEQUENCING

The only requirement in terms of task sequencing is that the QC tabulation program for a given Service be executed after the RWP attachment program for the corresponding Service has been run. The Services' runs may be performed in any order. It is suggested, but not necessary, that both programs for the smallest Service dataset (presently, the Navy) be run and examined prior to running the data for the other Services. This will allow for the quickest evaluation of the SIDR RWP processor performance.

3.3 DIAGNOSTIC PROCEDURES

There were a number of elements involved in checking the validity of tne data processing. Reviewing the job logs allowed for verification of the total number of records against counts obtained from DMIS staff for each Service. The correctness of the algorithm was verified by walking through the program logic, manually checking the first few records of each output file, and by selecting records with various DRG, DRGICAT, and OUTCAT values. Furthermore, CMI and dispositions by MTF were compared witn previous years' values in order to determine whether systematic errors were present. Finally, because there was a merge involved in the RWP attachment code, a SAS program was executed to read in the final output data set for each Service, and perform RWP tabulations categorized by selected variables:

- DMISID;
- outlier status;
- transfer status;
- major diagnostic category (MDC); and
- beneficiary category.

These RWP tabulations were compared with identical tabulations performed in the course of the RWP attachment program, both prior to and after the merge. These comparisons revealed that the merge worked correctly for the FY91 data.

As noted previously, the QC tabulation programs are in the following files at Ft. Detrick:

- Army: HAF.CON.VRI.TMR.SIDR.RWPARMQC.PROG91;
- Navy: HAF.CON.VRI.TMR.SIDR.RWPNAVQC.PROG91; and
- Air Force: HAF.CON.VRI.TMR.SIDR.RWPAIRQC.PROG91.

These are SAS programs designed for submission under WYLBUR. The job logs from these programs contain the RWP tabulations, which were manually compared to RWP tabulations contained in the job logs output from the RWP attachment programs.

3.4 RWP ATTACHMENT RUN DESCRIPTION

This section provides the detailed information required to execute runs of the RWP attachment code. It is assumed that the SIDR RWP processor will be run on the Ft. Detrick system. Prior to running the RWP attachment code, the following datasets must be available:

- Army Biometrics data, grouped by DRG (flat file);
- Navy Biometrics data, grouped by DRG (flat file);
- Air Force Biometrics data, grouped by DRG (flat file); and
- DRG weights, GLOS, short-stay trim points, and long-stay trim points (SAS data set).

3.4.1 CONTROL INPUTS

This section consists of two further subsections. Section 3.4.1.1 presents the job control language (JCL) necessary to execute the RWP attachment program and discusses editing necessary to submit future runs. Section 3.4.1.2 discusses the minor edits to the SAS code, which should be performed prior to future runs.

3.4.1.1 JCL Editing

The Army RWP attachment program contains the following JCL. Line numbers have been attached to aid in the discussion, although they do not appear in the hard copy source listing in appendix B. As configured below, and as presented throughout this chapter, the program creates permanent data sets. It is suggested, however, that a preliminary run be

executed for each Service, creating temporary datasets upon which diagnostic tests may be performed. This prevents proliferation of bad permanent data sets and waste of tape storage.

```
1.  //CSRTMR JOB (RAMS),'VECTOR RESEARCH',CLASS=F,MSGCLASS=X,
2.  //             MSGLEVEL=(1,1),TIME=(20,0),NOTIFY=CSR
3.  /*JOBPARM LINES=25
4.  // EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
5.  //BIOIN  DD DSN=HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA,DISP=SHR
6.  //WTIN   DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR
7.  //
8.  //BIOOUT DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,
9.  //*              DISP=(NEW,DELETE),
10. //               DISP=(NEW,CATLG,DELETE),
11. //               LABEL=(1,SL,,,EXPDT=99000),
12. //*              LABEL=(1,SL),
13. //               UNIT=TAPE,
14. //               DCB=(LRECL=558,RECFM=FB,BLKSIZE=23436)
```

The following discussion will describe line-by-line changes which should be made in the JCL in order to execute a job. Similar changes are required for the Navy and Air Force SIDR RWP attachment code JCL. Some lines will not require changes, and will not be discussed below.

Lines 1 and 2

The account initials CSR need to be changed to the account initials under which the program is executed.

Line 4

If the job abends due to insufficient workspace, the first parameter in the WORK= statement should be gradually increased until the job executes. Increase the parameter by 100 each time the job abends. The second parameter should not require adjustment. If the SORT= or REGION= parameter is not large enough, there will be an error statement in the job log that indicates this. The error statement will also indicate the level at which the parameter should be set. Note that finding the correct level for these parameters is an iterative process, and may require a number of runs. Note that SAS will greatly underestimate the additional space required in the REGION= statement. If the job is abending due to the REGION= parameter being too small, increase the parameter by 500. Finally, note that the parameters in the code have been determined at after numerous runs of the code, and should be at the level necessary to allow the job to execute.

Lines 5 and 6

The names of the files in the DSN= statement must be changed in order to reflect the names of the new Biometrics, GLOS, and trim point files.

Line 8

The name of the file in the DSN= statement must be changed to reflect the new output file.

Line 9

This line is currently commented out. In circumstances where the source code is substantially changed, it may be desired to make sure that the output data set is deleted as soon as the program terminates.

If this is the case the line may be uncommented by removing the asterisk. Note that if this line is uncommented, line 12 should also be uncommented, and line 10 should be commented by adding an asterisk immediately following the second slash mark.

Line 10

This line currently indicates that the output data set should be scratched upon abnormal termination of the program, and catalogued upon normal termination of the program. It should be commented out (by inserting an asterisk immediately following the second slash mark) if line 9 is uncommented.

Line 11

This line is currently configured to create a permanent tape data set. In order to create a temporary one for testing purposes, the EXPDT= parameter must be changed to the desired expiration date. The first two characters in this statement indicate the year the data set will be scratched, the following three characters indicate the day of the year on which the data set will be scratched. If line 9 is uncommented, this line should be commented out, and line 12 uncommented.

Line 12

This line is currently commented out. If line 9 is uncommented, this line should also be uncommented, and line 11 should be commented out.

Line 13

The data sets can be put onto cartridges by changing TAPE to CART in line 13. Cartridges hold more data and allow programs accessing the data to run faster than when the data is contained on tapes.

Line 14

This line should be changed only if the logical record length (LRECL) of the output data set is changed. The logical record length of the output data set should be changed only if the logical record length of the input data set is changed, or if more data elements are to be added in the course of the RWP attachment. In the former case (or if the SIDR record format changes), the SAS input and output statements must be changed as well. In the latter case, the SAS program will need major revisions, and all changes should take place in the context of the program modifications. The BLKSIZE= parameter should be a product of the LRECL= parameter and some integer.

3.4.1.2 SAS Editing

There are four sections of the SAS code that may need editing for future runs of the RWP attachment program. The first concerns the file layout for the Biometrics data input data set, as well as the titles on the SAS tabulation reports. The second concerns the DRG weight, GLOS, and trim point input data set variable names. The third concerns the RWP computations for exceptional DRGs. The fourth concerns the file layout for the output data set. Each section of SAS code that may require editing is preceded by a box of text that both marks its position and gives direction as to how the subsequent SAS code may require editing. Each of these sections is discussed below.

Parameter and Variable Update Section: No. 1

The first section of SAS code that may require updating contains the input statements for the Biometrics data. If the file layouts for the Biometrics data change, the SAS INPUT statement must be changed to correspond to the new layouts. In addition, the TITLE statement must be changed to correspond to the correct fiscal year and quarter of the Biometrics data.

```
/****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 1 ************/
/*  VERIFY THAT BIOMETRICS INPUT FILE LAYOUT MATCHES THAT BELOW.  */
/*    IF NOT, EDIT THE INPUT STATEMENTS TO MATCH THE BIOMETRICS   */
/*    FILE LAYOUT.                                                */
/*  CHANGE TITLE STATEMENT TO REFLECT CURRENT YEAR AND QUARTER.   */
/*****************************************************************/

 TITLE 'FY91 QUARTER 4 BIOMETRICS RWP ATTACHMENT PROGRAM';
 DATA TEMP1;
   INFILE BIOIN;

     INPUT
        @1      PRN          $CHAR7. /* PATIENT REGISTER NUMBER */
        @8      MTFCODE      $CHAR6. /* REPORTING MTF */
        @14     STRING1      $CHAR13.
        @27     DX1          $CHAR8. /* DIAGNOSIS #1 */
        @35     STRING2      $CHAR100.
        @135    STRING3      $CHAR38.
        @173    ADMSRC       $CHAR1. /* SOURCE OF ADMISSION */
        @174    DISPDATE     $CHAR6. /* DATE OF DISPOSITION */
        @180    STRING4      $CHAR100.
        @280    STRING5      $CHAR100.
        @380    STRING6      $CHAR12.
        @392    DMISID       $CHAR4.
        @396    STRING7      $CHAR6.
        @402    DMISBENF     $CHAR3. /* DMIS BENEFICIARY CATEGORY */
        @405    STRING8      $CHAR6.
        @411    DMISDAYS          4. /* REC TOT BED/BASS DAYS */
        @415    STRING9      $CHAR13.
        @428    RECDISP      $CHAR2. /* RECODED DISP STATUS */
        @502    DRG               3.
        @505    MDC          $CHAR2.
        @507    STRING10     $CHAR31.
```

Parameter and Variable Update Section: No. 2

The second set of parameter and variable updates involve the DRG weights, GLOS, and trim point variables, as well as the per diem credit given to outliers. For FY91 Biometrics processing, the variables in the SAS file containing the DRG weights, GLOS, and trim points were named as follows.

- DRG weights: DODV8WT;
- GLOS: CH_GLOS;
- Long-stay outlier trim point: CHHICUTA; and
- Short-stay outlier trim point: CHLOCUT.

If any of these variables have different names in future runs of the SIDR RWP processor, the code must be changed to reflect that fact. If the name of the SAS data set member containing the DRG weights and trim point changes is not FY90, then the SAS code must be changed to reflect that fact. Finally, if the outlier per diem crediting policy changes, then the SAS code must be updated to reflect the change.

```
/****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 2 ************/
/* CHANGE 'DODV8WT' TO NAME OF VARIABLE CONTAINING DRG WEIGHTS    */
/*   IN THE FILE CONTAINING THE APPROPRIATE DRG WEIGHTS, GLOS, AND*/
/*   TRIM POINTS.                                                 */
/* VERIFY THAT THE LIBRARY REFERENCE (FY90) IS CORRECT FOR        */
/*   THE CURRENT FILE OF DRG WEIGHTS, GLOS, AND TRIM POINTS.      */
/* VERIFY THAT CURRENT OUTLIER CREDITING POLICY IS CORRECTLY      */
/*   IMPLEMENTED:  2.0 MEANS 200 PERCENT PER DIEM (SHORT STAYS)   */
/*   0.6 MEANS 60 PERCENT PER DIEM (LONG STAYS)                   */
/*****************************************************************/

  DATA WEIGHTS;SET WTIN.FY90(KEEP=DRG DODV8WT CHLOCUT CH_GLOS CHHICUTA);
  SS_FAC=2.0;
  LS_FAC=0.6;
  RENAME DODV8WT = CHMPWT;
  PD_WT=ROUND((DODV8WT/CH_GLOS),.0001);
  SS_WT=ROUND((PD_WT*SS_FAC),.0001);
  LS_WT=ROUND((PD_WT*LS_FAC),.0001).
```

Parameter and Variable Update Section: No. 3

This section required editing in the FY91 processing, in order to implement the change in the FY91 CHAMPUS DRG coding that caused DRG 385 (Neonates, died or transferred) to be no longer valid, and to map those dispositions that formerly would have been in this DRG to the following DRGs:

- 600 (Neonate, died w/in one day of birth);
- 601 (Neonate, transferred < 5 days old);
- 603 (Neonate, birthwt < 750g, died);
- 605 (Neonate, birthwt 750-999g, died); and
- 608 (Neonate, birthwt 1000-1499g, died).

These DRGs, in addition to DRG 456 (Burns, transferred to another acute care facility), get full DRG credit for any length of stay, up to the long-stay outlier trim point. Long-stay outliers receive 60 percent per diem credit. In other words, there are no short-stay outliers for these DRGs. If there are any additions or deletions to the DRGs which are handled in this way, or the specific policy for assigning RWP credit to these DRGs is modified, the SAS code should be edited to reflect the changes.

```
/****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 3 ************/
/* DETERMINE WHETHER THE DRGS LISTED BELOW, OR ANY OTHER DRGS     */
/*   SHOULD BE HANDLED IN AN EXCEPTIONAL MANNER, SPECIFICALLY,    */
/*   IN THE MANNER OUTLINED IN THE BOX IMMEDIATELY BELOW THIS     */
/*   ONE.                                                         */
/*****************************************************************/


*--------- DRGS 456, 600, 601, 603, 605, AND 608 -------------------*
|                                                                   |
| PROCESS DRGS 600, 601, 603, 605, AND 608 AND DRG 456 (EXTEN-      |
| SIVE BURNS TRANSFERRED) SEPARATELY.  IF NOT A LONG-STAY OUTLIER,  |
| GIVE FULL DRG CREDIT (CHMPWT).  IF A LONG-STAY OUTLIER, GIVE FULL |
| DRG CREDIT PLUS LONG-STAY PER DIEM CREDIT (LS_WT) FOR ALL DAYS OVER|
| THE LONG-STAY CUTOFF POINT (CHHICUTA).                            |
*-------------------------------------------------------------------*;
```

```
  WHEN (DRG=456 OR DRG=600 OR DRG=601 OR DRG=603 OR DRG=605
        OR DRG=608) DO;
    SELECT;
      WHEN (BBDAYS LE CHHICUTA) DO;
        RWP=CHMPWT;
        BASERWP=RWP;
        IN_RWP=RWP;
        INCOUNT=1;
      END;
      WHEN (BBDAYS GT CHHICUTA) DO;
        OUTCAT='2';
        LSB_RWP=CHMPWT;
        LSO_RWP=LS_WT*(BBDAYS-CHHICUTA);
        RWP=LSB_RWP+LSO_RWP;
        BASERWP=LSB_RWP;
        OUTRWP=LSO_RWP;
        LS_RWP=RWP;
        LSCOUNT=1;
      END; /* WHEN */
    END; /* SELECT */
  END; /* WHEN DRG=456,600,601,603,605,608 */
```

Parameter and Variable Update Section: No. 4

The final edits to the SAS portion of the source code are required only if the input Biometrics data record layout has changed.

```
/****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 4 *************/
/* IF INPUT FILE LAYOUT HAS CHANGED, MAKE CORRESPONDING CHANGES   */
/* TO PUT STATEMENTS BELOW.                                       */
/******************************************************************/

  FILE BIOOUT;
     PUT
         @1      PRN          $CHAR7. /* PATIENT REGISTER NUMBER */
         @8      MTFCODE      $CHAR6. /* REPORTING MTF */
         @14     STRING1      $CHAR13.
         @27     DX1          $CHAR8. /* DIAGNOSIS #1 */
         @35     STRING2      $CHAR100.
         @135    STRING3      $CHAR38.
         @173    ADMSRC       $CHAR1. /* SOURCE OF ADMISSION */
         @174    DISPDATE     $CHAR6. /* DATE OF DISPOSITION */
         @180    STRING4      $CHAR100.
         @280    STRING5      $CHAR100.
         @380    STRING6      $CHAR12.
         @392    DMISID       $CHAR4.
         @396    STRING7      $CHAR6.
         @402    DMISBENF     $CHAR3. /* DMIS BENEFICIARY CATEGORY */
         @405    STRING8      $CHAR6.
         @411    DMISDAYS          4. /* REC TOT BED/BASS DAYS */
         @415    STRING9      $CHAR13.
```

```
@428    RECDISP     $CHAR2. /* RECODED DISP STATUS */
@502    DRG            3.
@505    MDC         $CHAR2.
@507    STRING10    $CHAR31.
@538    BASERWP        9.4
@547    OUTRWP         9.4
@556    OUTCAT      $CHAR1.
@557    DRGICAT     $CHAR1.
@558    FILLER      $CHAR1.
```

3.4.2 SUBMITTING JOBS UNDER WYLBUR

In order to submit a job under WYLBUR, the computer operator must have access to a Ft. Detrick signon I , and the corresponding password. After logging on to WYLBUR, the computer operator must type

SET VOL USER21

(or the volume where the source code resides). Then the operator must type

USE 'filename'

where 'filename' is the name of file in which the source code resides. After this, the operator must type

RUN FET

which submits the job for batch processing. At this point, the job is assigned a number. After the job has completed running, the operator must type

FET 'job number'

where 'job number' is the number assigned to the job when it was submitted. The computer operator should then type the following command:

LIST 'ERROR'

which will result in a screen display of all lines in the job log that contain the word ERROR. The code has been used extensively, and the SAS algorithm itself should not produce any error messages. However, there may be JCL errors if filenames have been erroneously typed. If this is the case, the job log will contain error messages indicating that the

filename entered was not found. There may be error messages involving workspace, as noted previously. If there are no errors, the operator should type

LIST 'WARNING'

No WARNING messages were ever discovered in the course of the program development and use. If WARNING messages occur, the operator must locate someone knowledgeable in SAS to determine whether the WARNING is really a cause for concern. If there are no WARNING messages, the operator should type

LIST 'NOTE:'

This command will result in quite a few lines being printed to the screen. Most of the lines will be of no consequence, indicating the version of SAS being used, how much memory and CPU time were used for each step. However, there are some things for which the operator should look:

- whether the number of observations written to the output file matches that read in from the input file; or
- whether the computer encountered any variables which were uninitialized.

If the former happens, re-submit the job. If the latter happens, someone knowledgeable with the input file development must be located to determine how the code should be changed. A good QC check at this point would be to verify that the number of observations matches the number of records submitted. The operator should be sure to obtain the DMIS SIDR processing information from the DMIS staff.

If there are no ERRORs or WARNINGs, and if there are no NOTEs of consequence, the program has normally terminated, and the QC portion of the RWP attachment can be started. To save this job log type

SAVE 'filename' LRECL=132 CAT

where 'filename' is the file name you give the job log. LRECL is the logical record length of the job log, which is always 132 unless it has been changed in the SAS code of the program. Typing CAT makes sure the job log is catalogued under this file name.

3.4.3 CHECKING THE JOB LOGS

The job log should be checked to make sure that the correct number of observations was read in, written out, and that no observations were lost after data sets was merged together. For example, on pages 6 and 7 of the Army job log in exhibit C-1 of appendix C, the following statements follow the INFILE data step:

```
NOTE: THE INFILE BIOIN IS:
      DSNAME=HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA,
      UNIT=3400,VOLUME=001788,DISP=SHR,BLKSIZE=32364
      LRECL=537,RECFM=FB
NOTE: 395673 RECORDS WERE READ FROM THE INFILE BIOIN.
NOTE: THE DATA SET WORK.TEMP1 HAS 395673 OBSERVATIONS AND 21 VARIABLES.
NOTE: THE DATA STATEMENT USED 46.41 CPU SECONDS AND 2971K.
```

The first NOTE statement gives the name of the file that was read in, the tape volume it came from and the logical record length (LRECL=537) of each record. The second and third NOTEs verify that 395673 records and 21 variables were read in. The fourth NOTE states the length of time and amount of memory it took to perform this datastep. The same type of information is given after each merge and when the final data set is written out:

```
NOTE: THE FILE BIOOUT IS:
      DSNAME=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,
      UNIT=3400,VOLUME=003486,DISP=NEW,BLKSIZE=23436,
NOTE: 395673 RECORDS WERE WRITTEN TO THE FILE BIOOUT.
NOTE: THE DATA SET WORK.TEMP3 HAS 395673 OBSERVATIONS AND 26 VARIABLES.
NOTE: THE DATA STATEMENT USED 114.79 CPU SECONDS AND 3693K.
```

These statements verify that the correct number of records were written to the new file, along with 5 new variables: BASERWP, OUTRWP, OUTCAT, DRGICAT, and FILLER.

3.4.4 MANAGEMENT INFORMATION

The following checklists should be followed in submitting the RWP attachment program.

Things you need to know to run the SIDR RWP Processor

(1) Ft. Detrick computer system
- Access to account initials and password
- How to log on (either direct dial, or DDN through VAX)
- WYLBUR Editor

(2) Basic familiarity with job control language (JCL)

(3) SAS language (Extremely helpful, but not absolutely necessary, unless policy decision needs to be implemented in the code.)

Preprocessing Checklist

- Input Biometrics data sets:
  - Army
  - Navy
  - Air Force

- Number of observations for each Service obtained during DMIS SIDR processing:
  - Army
  - Navy
  - Air Force

- Have these data been screened for invalid values? Have duplicate records been eliminated? (**Important:** The SIDR RWP processor assumes that all duplicate records have been eliminated, based upon MTF code and patient register number.)

- DRG weights, GLOS, and trim points for **current** version of grouper
  - Dataset name

- RWP SIDR processing code filenames
  - Army
  - Navy
  - Air Force

RWP Attachment Run Checklist

- Army JCL modifications:
  - Account initials (lines 1 & 2)
  - Input Biometrics file (line 5)
  - DRG weight, GLOS, and trim point file (line 6)
  - Output file (line 8)
  - Immediately scratch output file upon run completion? (lines 9-12)
  - Expiration date on output data set (line 11)
  - LRECL and BLKSIZE on output data set (line 14)

- Army SAS code modifications:
  - Change TITLE statement.
  - Change INPUT statements, if necessary, to reflect any changes in Biometrics record layout.
  - Change member name of SAS data set containing DRG weights, GLOS, and trim points.
  - Change variable names of DRG weights, GLOS, and trim points to correspond to those in the SAS input data set.
  - Verify that per diem credit for outliers in code is correct
  - Verify that exceptional DRGs and policy for assigning RWPs for these DRGs is correct in code.
  - Change PUT statements, if necessary, to reflect any changes in record layout.

- Navy JCL modifications:
  - Account initials (lines 1 & 2)
  - Input Biometrics file (line 5)
  - DRG weight, GLOS, and trim point file (line 6)
  - Output file (line 8)
  - Immediately scratch output file upon run completion? (lines 9-12)
  - Expiration date on output dataset (line 11)
  - LRECL and BLKSIZE on output dataset (line 14)

- Navy SAS code modifications:
  - Change TITLE statement.
  - Change INPUT statements, if necessary, to reflect any changes in Biometrics record layout.
  - Change member name of SAS dataset containing DRG weights, GLOS, and trim points.
  - Change variable names of DRG weights, GLOS, and trim points to correspond to those in the SAS input dataset.
  - Verify that per diem credit for outliers in code is correct
  - Verify that exceptional DRGs and policy for assigning RWPs for these DRGs in code is correct.
  - Change PUT statements, if necessary, to reflect any changes in record layout.

- Air Force JCL modifications:
  - Account initials (lines 1 & 2)
  - Input Biometrics file (line 5)
  - DRG weight, GLOS, and trim point file (line 6)
  - Output file (line 8)
  - Immediately scratch output file upon run completion? (lines 9-12)

  - Expiration date on output dataset (line 11)
  - LRECL and BLKSIZE on output dataset (line 14)

- Air Force SAS code modifications:
  - Change TITLE statement.
  - Change INPUT statements, if necessary, to reflect any changes in Biometrics record layout.
  - Change member name of SAS dataset containing DRG weights, GLOS, and trim points.
  - Change variable names of DRG weights, GLOS, and trim points to correspond to those in the SAS input data set.
  - Verify that per diem credit for outliers in code is correct.
  - Verify that exceptional DRGs and policy for assigning RWPs for these DRGs is correct in code.
  - Change PUT statements, if necessary, to reflect any changes in record layout.

Review RWP Attachment Job Logs

- Army RWP Attachment Logs:
  - Verify that the record counts, input and output, match each other and the record counts obtained during the DMIS Army Biometrics processing.
  - Are there any ERROR or WARNING messages?
  - Are there any consequential NOTE messages (e.g., uninitialized or missing variables)?

- Navy RWP Attachment Logs:
  - Verify that the record counts, input and output, match each other and the record counts obtained during the DMIS Navy Biometrics processing.
  - Are there any ERROR or WARNING messages?
  - Are there any consequential NOTE messages (e.g., uninitialized or missing variables)?

- Air Force RWP Attachment Logs:
  - Verify that the record counts, input and output, match each other and the record counts obtained during the DMIS Air Force Biometrics processing.
  - Are there any ERROR or WARNING messages?
  - Are there any consequential NOTE messages (e.g., uninitialized or missing variables)?

3.4.5 INPUT-OUTPUT FILES

As noted previously, there are four input files to the RWP attachment programs, three of which are Service specific. The file which is common to each Services' run is

- HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS.

This data set is on disk, volume USER21, on the Ft. Detrick computer system, as of the date this document was published. Datasets on the Ft. Detrick system are archived to tape 90 days after the last access date. If they have been archived, they will be retrieved to disk by the Ft. Detrick system if they are accessed by a program. In addition to this dataset, each RWP attachment program will access one of the Services' Biometrics datasets, depending upon the Service branch for the given run. For the FY91 processing, these datasets were

- Army: HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA;
- Navy: HAF.CON.VRI.MYT.NAVY.G123491.SIDR.VA; and
- Air Force: HAF.CON.VRI.MYT.USAF.G123491.SIDR.VA.

These were flat files contained on tape at the Ft. Detrick system. The layouts for these files are contained in exhibit A-1 in appendix A. All of the files described in this section may be accessed through any account that has authorization to use files with the HAF.CON prefix. There are RACF controls on any data set with a HAF.CON prefix which prohibit accounts which do not have authorization to access these data sets. Finally, note that because the Biometrics data contain social security numbers, these data are protected under the provisions of the Privacy Act of 1974. The data contain patient identity information and thus require safeguards from unauthorized access and use. It is the responsibility of the user of this data to properly safeguard patient identifying information.

Three output files are created by the RWP attachment programs, one for each Service branch. The three files created by the SIDR RWP processor for FY91 Biometrics were:

- Army: HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91;
- Navy: HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91; and
- Air Force: HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91.

The output file layouts are identical to the input file layouts, but with the following information attached, at the noted positions:

Variable Description	Variable Name	Column Position	Length
base RWPs (real 9.4)	BASERWP	538:546	9
long-stay outlying bed day RWPs (real 9.4)	OUTRWP	547:555	9
outlier status flag	OUTCAT	556:556	1
transfer status flag	DRGICAT	557:557	1
filler	FILLER	558:558	1

3.4.6 OUTPUT REPORTS

The only reports associated with the RWP attachment program are the tables printed in the job log reporting various tabulations of RWPs and dispositions.

3.5 QC/INFORMATION PROGRAM RUN DESCRIPTION

This section provides the detailed information required to execute runs of the QC tabulation code. It is assumed that the SIDR RWP processor will be run on the Ft. Detrick system. Prior to running the QC tabulation code for any Service, the RWP attachment code for the given Service must be run, and the output dataset accessible. In addition, the job log from the run corresponding to the output dataset should be available in hardcopy, in order to allow manual tabulation comparisons.

3.5.1 CONTROL INPUTS

The JCL for the SAS source code that tabulates RWPs and dispositions from the Army output dataset is as follows:

```
1.  //CSRTMR       JOB (RAMS),'VECTOR RESEARCH',CLASS=C,MSGCLASS=X,
2.  //             MSGLEVEL=(1,1),TIME=(10,0),NOTIFY=CSR
3.  //      EXEC SAS606,WORK='100,100',SORT=6,REGION=4096K
4.  //BIOIN DD      DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
```

The following discussion presents the lines that must change for any future processing, which will include running these tabulation programs. While the JCL for the Army processing is shown, the changes are analogous for the Navy and Air Force.

Lines 1 and 2

The CSR initials must be set equal to the Ft. Detrick account initials of the computer operator.

Line 4

The data set name must be changed to be the same as the output data set from the RWP attachment program JCL (line 8) from the run that created the final data set.

3.5.2 MANAGEMENT INFORMATION

The following checklists should be followed in submitting the tabulation QC program.

Tabulation QC Run

- Tabulation QC source code file names:
  - Army
  - Navy
  - Air Force
- Army JCL modifications:
  - Change account initials (lines 1 and 2)
  - Input data set (set equal to output data set from preliminary RWP run)

- Navy JCL modifications:
  - Change account initials (lines 1 and 2)
  - Input data set (set equal to output data set from preliminary RWP run)

- Air Force JCL modifications:
  - Change account initials (lines 1 and 2)
  - Input data set (set equal to output data set from preliminary RWP run)

- Are there any changes in the RWP attachment output data set file layouts? If so, the SAS INPUT statement at the beginning of the program needs to be changed to reflect this fact for each Service.
  - Army
  - Navy
  - Air Force

Review Tabulation QC Job Logs

- Army Tabulation QC Logs:
  - Verify that record counts input match record counts output by RWP attachment program.
  - Are there any ERROR or WARNING messages?
  - Are there any consequential NOTE messages (e.g., uninitialized or missing variables)

- Navy Tabulation QC Logs:
  - Verify that record counts input match record counts output by RWP attachment program.
  - Are there any ERROR or WARNING messages?
  - Are there any consequential NOTE messages? (e.g., uninitialized or missing variables)

- Air Force Tabulation QC Logs:
  - Verify that record counts input match record counts output by RWP attachment program.
  - Are there any ERROR or WARNING messages?
  - Are there any consequential NOTE messages? (e.g., uninitialized or missing variables)

Manually Check Preliminary Tabulation QC Job Logs against RWP Attachment Job Logs

- For each Service Branch:

  - by DMISID
    - Base RWPs
    - Outlying RWPs
    - Total Dispositions

  - by Outlier Status Category (OUTCAT)
    - Base RWPs
    - Outlying RWPs
    - Total Dispositions

- by Transfer Status Category (DRGTRAT)
  - Base RWPs
  - Outlying RWPs
- by Major Diagnostic Category (MDC)
  - Base RWPs
  - Outlying RWPS
  - Total Dispositions
- by DMIS Recoded Beneficiary Type (DMISBENF)
  - Base RWPs
  - Outlying RWPs
  - Total Dispositions

3.5.3 INPUT-OUTPUT FILES

As described in section 3.4.4, the input files for the tabulation QC program for any Service branch is the output file from the RWP attachment program. Therefore, the input files for FY91 were:

- Army: HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91;
- Navy: HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91; and
- Air Force: HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91.

3.5.4 OUTPUT REPORTS

The only reports associated with the tabulation QC program are the tables printed in the job log reporting various tabulations of RWPs and dispositions across the values of selected variables.

3.5.5 OTHER QC REPORTS

There are eight other QC/Information reports that should also be run after the RWPs have been attached. Hardcopy of these programs can be found in appendix B, and a sample page of output for each can be found in appendix C:

- HAF.CON.VRI.TMR.TRIMPTQC.PROG;
- HAF.CON.VRI.TMR.BEDDAYQC.PROG;
- HAF.CON.VRI.TMR.CROSSTAB.PROG;

- HAF.CON.VRI.TMR.LOSPCTQC.PROG;
- HAF.CON.VRI.TMR.LOSFRQQC.PROG;
- HAF.CON.VRI.TMR.RWPDRGQC.PROG;
- HAF.CON.VRI.TMR.RWPMTFQC.PROG; and
- HAF.CON.VRI.TMR.RWPSVCQC.PROG.

The first program (TRIMPTQC) prints out the contents of the trim point file: DRG, DRG title, DRG weight, GLOS, per diem weight, short-stay weight, long-stay weight, low cut point, and high cut point for each DRG.

The BEDDAYQC program prints out DRG, DRG title, dispositions, beddays, ALOS, percent of total beddays, percent of total dispositions, and cumulative percentages for each DRG.

The CROSSTAB program prints out total dispositions, bad dispositions (dispositions for DRGs 469 and 470), total RWPs, and beddays for each beneficiary category, clinical area, MDC, and gender-age categories.

The LOSPCTQC program prints out DRG, DRG title, dispositions, the 10th, 25th, 50th, 75th and 90th LOS percentiles, minimum LOS, maximum LOS, ALOS, standard deviation, and coefficient of variation for each DRG.

The LOSFRQQC program prints out total dispositions, good disposition, beddays, total RWPs, and CMI for each LOS.

The RWPDRGQC, RWPMTFQC, and RWPSVCQC programs print out DRG, DRG title, short-stay dispositions and RWPs, inlier dispositions and RWPs, long-stay dispositions and RWPs, transfer dispositions and RWPs, bad dispositions, total dispositions and RWPs, and percent of total RWPs for each DRG, MTF, and Service.

For all of these programs, the CSR initials must be set equal to the Ft. Detrick account initials of the computer operator, and the data

set names must be changed to be the same as the output data sets from the RWP attachment program JCL from the run which created the final data sets. The titles should be modified to correspond with the current fiscal year.

Finally, the RWPs and dispositions from the current year should be compared against previous years' RWPs and dispositions at the MTF and DRG level. This can be done by comparing the QC reports from one year to the same QC reports generated the previous year.

APPENDIX A

Exhibit A-1 contains the FY91 Biometrics record layout. Table A-2 presents the Version 8 CHAMPUS DRGs and outlier criteria, with direct care modifications. Table A-3 lists the fields appended to the 537-byte Biometrics record by the SIDR RWP processor. Table A-4 contains the current source of admission codes and recoded disposition codes.

EXHIBIT A-1: FY91 BIOMETRICS RECORD LAYOUT

Field Name	Column Position	Length	SIDR Position
* FIELDS FROM INPUT RECORD			
Patient Register Number	1:7	7	7:13
Reporting MTF	8:13	6	14:19
Record Disposition Status	14:14	1	502:502
Version Number (Record)	15:15	1	503:503
Age at Admission	16:18	3	48:50
Sex	19:19	1	54:54
Beneficiary Category (Pat Cat)	20:22	3	66:68
Pay Grade	23:24	2	69:70
Disposition Type	25:26	2	105:106
Diagnosis #1	27:34	8	132:139
Diagnosis #2	35:42	8	140:147
Diagnosis #3	43:50	8	148:155
Diagnosis #4	51:58	8	156:163
Diagnosis #5	59:66	8	164:171
Diagnosis #6	67:74	8	172:179
Diagnosis #7	75:82	8	180:187
Diagnosis #8	83:90	8	188:195
Procedure #1	91:98	8	235:242
Procedure #2	99:106	8	243:250
Procedure #3	107:114	8	251:258
Procedure #4	115:122	8	259:266
Procedure #5	123:130	8	267:274
Procedure #6	131:138	8	275:282
Procedure #7	139:146	8	283:290
Procedure #8	147:154	8	291:298
Total Bed Days this MTF	155:158	4	306:309
Date of Birth yyyymmdd	159:166	8	40:47
Date this Admission yymmdd	167:172	6	93:98
Source of Admission	173:173	1	86:86
Date of Disposition	174:179	6	99:104
Clinic Service Admitting	180:183	4	355:358
Bed Days Admitting Service	184:187	4	359:362
Clinic Service 2nd	188:191	4	363:366
Bed Days 2nd Clinical Service	192:195	4	367:370
Clinic Service 3rd	196:199	4	371:374
Bed Days 3rd Clinical Service	200:203	4	375:378
Clinic Service Disposition	204:207	4	379:382
Bed Days Disposition Clinic Service	208:211	4	383:386
MTF Location (State/Country Code)	212:213	2	20:21
Family Member Prefix	214:215	2	29:30
Sponsor SSN	216:224	9	31:39
Patient's Residence Zip	225:233	9	57:65
Number of Diagnostic Fields Cont. Codes	234:235	2	196:197
Number of Procedure Fields Cont. Codes	236:237	2	299:300

-- Continued --

EXHIBIT A-1: FY91 BIOMETRICS RECORD LAYOUT
(CONTINUED)

Date of Initial Admission	238:243	6	87:92
Total Sick Days at this MTF	244:248	5	346:350
Bassinet Days (Neonatal)	249:252	4	318:321
Bed Days this MTF (Intensive Care Unit)	253:256	4	351:354
Service recoded age	257:259	3	depending
Service recoded sex	260:260	1	on
Service recoded disposition status	261:262	2	service
Service recoded diagnosis #1	263:267	5	input
Service recoded diagnosis #2	268:272	5	record
Service recoded diagnosis #3	273:277	5	
Service recoded diagnosis #4	278:282	5	- Navy
Service recoded diagnosis #5	283:287	5	grouped
Service recoded diagnosis #6	288:292	5	all the
Service recoded diagnosis #7	293:297	5	records.
Service recoded diagnosis #8	298:302	5	
Service recoded procedure #1	303:306	4	- Army &
Service recoded procedure #2	307:310	4	USAF
Service recoded procedure #3	311:314	4	did
Service recoded procedure #4	315:318	4	not
Service recoded procedure #5	319:322	4	
Service recoded procedure #6	323:326	4	
Service recoded procedure #7	327:330	4	
Service recoded procedure #8	331:334	4	
Service DRG (Diagnosis Related Group)	335:337	3	
Service MDC (Major Diagnostic Category)	338:339	2	
Service RTC (Return Code from Grouper)	340:340	1	
Service MPR (Procedure used for DRG)	341:344	4	
Service ADX (Any diag. used for DRG)	345:349	5	
Service SDX (second. diag. - DRG select.)	350:354	5	
Service VCC (Version Control Card)	355:365	11	

* New fields introduced for FY90 processing

Race	366:366	1	55:55
Ethnic Background	367:367	1	56:56
Autopsy Performed	368:368	1	107:107
Trauma	369:369	1	126:126
Cause of Injury (STANAG)	370:372	3	127:129
Geographic Location of Occurrence	373:374	2	130:131
Underlying Cause of Death	375:375	1	198:198
Primary Provider SSN/Filler	376:384	9	414:422
Mother's/Newborn's Register Number	385:391	7	509:515

* DMIS APPENDED FIELDS
Note: Grouper Fields are Different for FY91 than prior years.

Recoded DMISID	392:395	4	1:4
DMIS Services Facility ID (DCWID)	396:400	5	5:9
Recoded Service Branch of Facility	401:401	1	10:10
DMIS Beneficiary Category	402:404	3	11:13
DMIS Clinical Service Code	405:407	3	14:16

-- Continued --

EXHIBIT A-1: FY91 BIOMETRICS RECORD LAYOUT (CONCLUDED)

DMIS Service Branch of Sponsor	408:408	1	17:17
DMIS Patient Sex	409:409	1	18:18
DMIS Patient Age Group	410:410	1	19:19
Recoded Total Occupied Bed/Bassinet Days	411:414	4	20:23
Recoded Service Branch of Sponsor	415:415	1	1:1
Recoded Beneficiary Category	416:418	3	2:4
Recoded Service Rank	419:420	2	5:6
Recoded Clinical Service Code	421:423	3	7:9
Recoded Age	424:426	3	10:12
Recoded Sex	427:427	1	13:13
Recoded Disposition Status	428:429	2	14:15
Filler	430:454	25	16:40
OR1 (1st OR proc code used by grouper)	455:458	4	41:44
OR2 (2nd OR proc code used by grouper)	459:462	4	45:48
OR3 (3rd OR proc code used by grouper)	463:466	4	49:52
NP1 (1st non-OR proc used)	467:470	4	53:56
NP2 (2nd non-OR proc used)	471:474	4	57:60
DX1 (1st Diag in addition to prin used)	475:479	5	61:65
DX2 (2nd Diag code used)	480:484	5	66:70
DX3 (3rd Diag code used)	485:489	5	71:75
DCC (Diag for complicaton/comorbidty)	490:494	5	76:80
Filler	495:501	7	81:87
DRG (Diagnosis Related Group)	502:504	3	88:90
MDC (Major Diagnostic Category)	505:506	2	91:92
RTC (Return Code from Grouper)	507:507	1	93:93
Recoded Birth Date mm/dd/yy	508:515	8	94:101
Recoded Admit Date mm/dd/yy	516:523	8	102:109
Recoded Discharge Date mm/dd/yy	524:531	8	110:117
Recoded Century of Birth 0=1900 1=1800	532:532	1	118:118
Catchment Area of Patient	533:536	4	119:122
Catchment Area Inside/Outside	537:537	1	123:123

* NEW FIELDS ADDED FOR FY90 PROCESSING

RWP Base credit (real 9.4)	538:546	9
RWP Outlier credit (real 9.4)	547:555	9
Outlier Status flag	556:556	1
Transfer Status flag	557:557	1
DXMAH Status flag	558:558	1
RAPS Data Elements	559:569	11

EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT[1]	LS_WGHT[2]	LO_CUTPT	HI_CUTPT
1	CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA	3.8296	10.1	0.37917	0.75834	0.22750	1	39
2	CRANIOTOMY FOR TRAUMA AGE >17	4.7208	9.4	0.50221	1.00443	0.30133	1	38
3	CRANIOTOMY AGE 0-17	2.8052	5.9	0.47546	0.95092	0.28527	1	34
4	SPINAL PROCEDURES	2.1169	6.4	0.33077	0.66153	0.19846	1	35
5	EXTRACRANIAL VASCULAR PROCEDURES	1.7360	4.7	0.36936	0.73872	0.22162	1	26
6	CARPAL TUNNEL RELEASE	0.6616	2.0	0.33080	0.66160	0.19848	1	14
7	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W CC	2.3772	6.7	0.35481	0.70961	0.21288	1	35
8	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W/O CC	0.8947	2.4	0.37279	0.74558	0.22368	1	24
9	SPINAL DISORDERS & INJURIES	3.2092	11.9	0.26968	0.53936	0.16181	1	40
10	NERVOUS SYSTEM NEOPLASMS W CC	1.5659	6.4	0.24467	0.48934	0.14680	1	35
11	NERVOUS SYSTEM NEOPLASMS W/O CC	0.9778	3.6	0.27161	0.54322	0.16297	1	32
12	DEGENERATIVE NERVOUS SYSTEM DISORDERS	1.9710	7.2	0.27375	0.54750	0.16425	1	36
13	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	0.9247	5.3	0.17447	0.34894	0.10468	1	34
14	SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TIA	1.5377	5.9	0.26063	0.52125	0.15638	1	34
15	TRANSIENT ISCHEMIC ATTACKS AND PRECEREBRAL OCCLUSIONS	0.7414	3.1	0.23916	0.47832	0.14350	1	21
16	NONSPECIFIC CEREBROVASCULAR DISORDERS W CC	1.6854	6.3	0.26752	0.53505	0.16051	1	35
17	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	1.0644	3.9	0.27292	0.54585	0.16375	1	32
18	CRANIAL & PERIPHERAL NERVE DISORDERS W CC	0.9274	4.6	0.20161	0.40322	0.12097	1	33
19	CRANIAL & PERIPHERAL NERVE DISORDERS W/O CC	0.6960	3.3	0.21091	0.42182	0.12655	1	32
20	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS	1.8427	7.4	0.24901	0.49803	0.14941	1	36
21	VIRAL MENINGITIS	0.6273	3.5	0.17923	0.35846	0.10754	1	18
22	HYERTENSIVE ENCEPHALOPATHY	0.8183	3.3	0.24797	0.49594	0.14878	1	29
23	NONTRAUMATIC STUPOR & COMA	0.6934	2.2	0.31518	0.63036	0.18911	1	16
24	SEIZURE & HEADACHE AGE > 17 W CC	0.8443	3.6	0.23453	0.46906	0.14072	1	31
25	SEIZURE & HEADACHE AGE > 17 W/O CC	0.5386	2.8	0.19236	0.38471	0.11541	1	22
26	SEIZURE & HEADACHE AGE 0-17	0.5357	2.4	0.22321	0.44642	0.13393	1	19
27	TRAUMATIC STUPOR & COMA, COMA>1 HR	2.2539	4.3	0.52416	1.04833	0.31450	1	33
28	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W CC	1.2917	4.6	0.28080	0.56161	0.16848	1	33
29	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/O CC	1.2370	3.5	0.35343	0.70686	0.21206	1	32
30	TRAUMATIC STUPOR & COMA <1 HR AGE 0-17	0.5955	2.0	0.29775	0.59550	0.17865	1	23
31	CONCUSSION AGE >17 W CC	0.6317	2.2	0.28714	0.57427	0.17228	1	21
32	CONCUSSION AGE >17 W/O CC	0.4484	1.8	0.24911	0.49822	0.14947	1	13
33	CONCUSSION AGE 0-17	0.2882	1.3	0.22169	0.44338	0.13302	1	4
34	OTHER DISORDERS OF NERVOUS SYSTEM W CC	2.1045	5.3	0.39708	0.79415	0.23825	1	34

[1] The short-stay weight is twice the per-diem credit.

[2] The long-stay weight is 60% of the per-diem credit.

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
35	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	1.1231	3.7	0.30354	0.60708	0.18212	1	32
36	RETINAL PROCEDURES	0.7892	2.0	0.39460	0.78920	0.23676	1	10
37	ORBITAL PROCEDURES	0.8711	2.2	0.39595	0.79191	0.23757	1	21
38	PRIMARY IRIS PROCEDURES	0.4195	2.2	0.19068	0.38136	0.11441	1	17
39	LENS PROCEDURES WITH OR WITHOUT VITRECTOMY	0.7245	1.3	0.55731	1.11462	0.33438	1	5
40	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17	0.6147	1.6	0.38419	0.76838	0.23051	1	12
41	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17	0.4929	1.2	0.41075	0.82150	0.24645	1	5
42	INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS	0.8275	2.1	0.39405	0.78810	0.23643	1	14
43	HYPHEMA	0.2827	2.9	0.09748	0.19497	0.05849	1	23
44	ACUTE MAJOR EYE INFECTIONS	0.4690	3.4	0.13794	0.27588	0.08276	1	16
45	NEUROLOGICAL EYE DISORDERS	0.6138	2.8	0.21921	0.43843	0.13153	1	27
46	OTHER DISORDERS OF THE EYE AGE >17 W CC	0.8169	3.1	0.26352	0.52703	0.15811	1	32
47	OTHER DISORDERS OF THE EYE AGE >17 W/O CC	0.5074	2.2	0.23064	0.46127	0.13838	1	24
48	OTHER DISORDERS OF THE EYE AGE 0-17	0.4422	2.2	0.20100	0.40200	0.12060	1	16
49	MAJOR HEAD & NECK PROCEDURES	2.2905	6.2	0.36944	0.73887	0.22166	1	35
50	SIALOADENECTOMY	0.7318	1.7	0.43047	0.86094	0.25828	1	6
51	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY	0.5854	1.5	0.39027	0.78053	0.23416	1	5
52	CLEFT L & PALATE REPAIR	0.7219	2.1	0.34376	0.68752	0.20626	1	12
53	SINUS & MASTOID PROCEDURES AGE >17	0.6953	1.6	0.43456	0.86913	0.26074	1	9
54	SINUS & MASTOID PROCEDURES AGE 0-17	0.7170	1.5	0.47800	0.95600	0.28680	1	9
55	MISCELLANEOUS EAR, NOSE & THROAT PROCEDURES	0.5870	1.3	0.45154	0.90308	0.27092	1	6
56	RHINOPLASTY	0.5429	1.3	0.41762	0.83523	0.25057	1	4
57	T & A PROC, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE>1	0.6521	2.1	0.31052	0.62105	0.18631	1	12
58	T & A PROC, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY,AGE 0-	0.4267	1.1	0.38791	0.77582	0.23275	1	3
59	TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17	0.3712	1.2	0.30933	0.61867	0.18560	1	3
60	TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE 0-17	0.3380	1.1	0.30727	0.61455	0.18436	1	2
61	MYRINGOTOMY WITH TUBE INSERTION AGE >17	0.7106	1.7	0.41800	0.83600	0.25080	1	14
62	MYRINGOTOMY WITH TUBE INSERTION AGE 0-17	0.6121	1.9	0.32216	0.64432	0.19329	1	24
63	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES	1.0597	2.4	0.44154	0.88308	0.26493	1	17
64	EAR, NOSE, MOUTH & THROAT MALIGNANCY	1.0437	3.3	0.31627	0.63255	0.18976	1	32
65	DISEQUILIBRIUM	0.4794	2.6	0.18438	0.36877	0.11063	1	14
66	EPISTAXIS	0.4247	2.5	0.16988	0.33976	0.10193	1	18
67	EPIGLOTTITIS	1.1018	3.5	0.31480	0.62960	0.18888	1	25
68	OTITIS MEDIA & URI AGE > 17 W CC	0.6452	3.4	0.18976	0.37953	0.11386	1	19
69	OTITIS MEDIA & URI >17 W/O CC	0.4838	2.8	0.17279	0.34557	0.10367	1	17
70	OTITIS MEDIA & URI AGE 0-17	0.4017	2.6	0.15450	0.30900	0.09270	1	13
71	LARYNGOTRACHEITIS	0.3395	1.9	0.17868	0.35737	0.10721	1	10
72	NASAL TRAUMA & DEFORMITY	0.4875	1.7	0.28676	0.57353	0.17206	1	7

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
73	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17	0.5217	2.4	0.21738	0.43475	0.13043	1	20
74	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17	0.5155	2.2	0.23432	0.46864	0.14059	1	23
75	MAJOR CHEST PROCEDURES	3.3687	9.3	0.36223	0.72445	0.21734	1	38
76	OTHER RESP SYSTEM O.R. PROCEDURES W CC	2.4441	7.2	0.33946	0.67892	0.20368	1	36
77	OTHER RESP SYSTEM O.R. PROCEDURES W/O CC	1.4745	3.5	0.42129	0.84257	0.25277	1	32
78	PULMONARY EMBOLISM	1.6011	7.8	0.20527	0.41054	0.12316	1	36
79	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W CC	2.3529	8.7	0.27045	0.54090	0.16227	1	[illegible]
80	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W/O CC	1.2360	6.1	0.20262	0.40525	0.12157	1	35
81	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17	2.2189	5.6	0.39623	0.79246	0.23774	1	34
82	RESPIRATORY NEOPLASMS	1.5896	5.6	0.28386	0.56771	0.17031	1	34
83	MAJOR CHEST TRAUMA W CC	1.2621	4.8	0.26294	0.52588	0.15776	1	33
84	MAJOR CHEST TRAUMA W/O CC	0.5709	2.6	0.21958	0.43915	0.13175	1	20
85	PLEURAL EFFUSION W CC	2.3385	6.7	0.34903	0.69806	0.20942	1	35
86	PLEURAL EFFUSION W/O CC	0.9208	3.9	0.23610	0.47221	0.14166	1	28
87	PULMONARY EDEMA & RESPIRATORY FAILURE	2.3477	6.2	0.37866	0.75732	0.22720	1	35
88	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.1219	5.0	0.22438	0.44876	0.13463	1	34
89	SIMPLE PNEUMONIA & PLEURISY AGE >17 W CC	1.4110	6.0	0.23517	0.47033	0.14110	1	35
90	SIMPLE PNEUMONIA & PLEURISY AGE >17 W/O CC	0.8243	4.4	0.18734	0.37468	0.11240	1	24
91	SIMPLE PNEUMONIA & PLEURISY AGE 0-17	0.6512	3.5	0.18606	0.37211	0.11163	1	18
92	INTERSTITIAL LUNG DISEASE W CC	1.6108	5.6	0.28764	0.57529	0.17259	1	34
93	INTERSTITIAL LUNG DISEASE W/O CC	0.8937	3.8	0.23518	0.47037	0.14111	1	32
94	PNEUMOTHORAX W CC	1.4480	5.9	0.24542	0.49085	0.14725	1	34
95	PNEUMOTHORAX W/O CC	0.6670	3.9	0.17103	0.34205	0.10262	1	30
96	BRONCHITIS & ASTHMA AGE >17 W CC	1.0585	4.8	0.22052	0.44104	0.13231	1	30
97	BRONCHITIS & ASTHMA AGE >17 W/O CC	0.6940	3.5	0.19829	0.39657	0.11897	1	21
98	BRONCHITIS & ASTHMA AGE 0-17	0.5411	2.8	0.19325	0.38650	0.11595	1	15
99	RESPIRATORY SIGNS & SYMPTOMS W CC	0.9752	3.2	0.30475	0.60950	0.18285	1	30
100	RESPIRATORY SIGNS & SYMPTOMS W/O CC	0.5765	2.2	0.26205	0.52409	0.15723	1	15
101	OTHER RESPIRATORY SYSTEM DIAGNOSES W CC	1.2262	4.0	0.30655	0.61310	0.18393	1	32
102	OTHER RESPIRATORY SYSTEM DIAGNOSES W/O CC	0.6718	2.5	0.26872	0.53744	0.16123	1	31
103	HEART TRANSPLANT	14.9824	25.0	0.59930	1.19859	0.35958	1	54
104	CARDIAC VALVE PROCEDURE W CARDIAC CATH	8.2233	14.2	0.57911	1.15821	0.34746	2	43
105	CARDIAC VALVE PROCEDURE W/O CARDIAC CATH	6.5293	10.4	0.62782	1.25563	0.37669	2	39
106	CORONARY BYPASS W CARDIAC CATH	5.9450	11.2	0.53080	1.06161	0.31848	3	36
107	CORONARY BYPASS W/O CARDIAC CATH	5.1343	9.0	0.57048	1.14096	0.34229	2	31
108	OTHER CARDIOTHORACIC PROCEDURES	5.3402	8.9	0.60002	1.20004	0.36001	1	37

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
109	NO LONGER VALID	.	.	.	.	.	.	.
110	MAJOR CARDIOVASCULAR PROCEDURES W CC	4.0800	8.9	0.45843	0.91685	0.27506	1	37
111	MAJOR CARDIOVASCULAR PROCEDURES W/O CC	2.8974	6.4	0.45272	0.90544	0.27163	1	35
112	PERCUTANEOUS CARDIOVASCULAR PROCEDURES	2.2669	3.9	0.58126	1.16251	0.34875	1	31
113	AMPUTATION FOR CIRC SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE	3.8962	15.2	0.25333	0.51266	0.15380	1	44
114	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS	1.8468	7.3	0.25299	0.50597	0.15179	1	36
115	PERM CARDIAC PACEMAKER IMPLANT W AMI, HEART FAILURE OR SHOCK	4.7169	10.9	0.43274	0.86549	0.25965	3	38
116	PERM CARDIAC PACEMAKER IMPLANT W/O AMI, HEART FAILURE OR SHOCK	3.1189	4.8	0.64977	1.29954	0.38986	1	33
117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	1.2330	3.7	0.33324	0.66649	0.19995	1	17
118	CARDIAC PACEMAKER DEVICE REPLACEMENT	2.5920	3.5	0.74057	1.48114	0.44434	1	32
119	VEIN LIGATION & STRIPPING	0.7276	2.1	0.34648	0.69295	0.20789	1	16
120	OTHER CIRCULATORY SYSTEM O.R. PROCEDURES	2.6051	7.3	0.35686	0.71373	0.21412	1	36
121	CIRCULATORY DISORDERS W AMI & C.V. COMP DISCH ALIVE	2.1210	6.7	0.31657	0.63313	0.18994	1	35
122	CIRCULATORY DISORDERS W AMI W/O C.V. COMP DISCH ALIVE	1.5015	5.1	0.29441	0.58882	0.17665	1	34
123	CIRCULATORY DISORDERS W AMI, EXPIRED	2.1589	2.5	0.86356	1.72712	0.51814	1	31
124	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH & COMPLEX DIAG	1.4304	3.5	0.40869	0.81737	0.24521	1	32
125	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W/O COMPLEX DIAG	0.9079	2.1	0.43233	0.86467	0.25940	1	19
126	ACUTE & SUBACUTE ENDOCARDITIS	3.0086	14.0	0.21490	0.42980	0.12894	1	42
127	HEART FAILURE & SHOCK	1.2961	5.1	0.25414	0.50827	0.15248	1	34
128	DEEP VEIN THROMBOPHLEBITIS	0.8768	6.4	0.13700	0.27400	0.08220	1	31
129	CARDIAC ARREST, UNEXPLAINED	2.1715	2.7	0.80426	1.60852	0.48256	1	31
130	PERIPHERAL VASCULAR DISORDERS W CC	1.2637	5.5	0.22976	0.45953	0.13786	1	34
131	PERIPHERAL VASCULAR DISORDERS W/O CC	0.7082	3.6	0.19672	0.39344	0.11803	1	32
132	ATHEROSCLEROSIS W CC	1.5879	3.7	0.42916	0.85832	0.25750	1	32
133	ATHEROSCLEROSIS W/O CC	1.2139	3.0	0.40463	0.80927	0.24278	1	31
134	HYPERTENSION	0.6142	3.1	0.19813	0.39626	0.11888	1	23
135	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W CC	1.8256	3.1	0.58890	1.17781	0.35334	1	32
136	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/O CC	0.6080	2.0	0.30400	0.60800	0.18240	1	11
137	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17	1.3828	2.2	0.62855	1.25709	0.37713	1	29
138	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W CC	0.9300	3.3	0.28182	0.56364	0.16909	1	30
139	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC	0.6046	2.4	0.25192	0.50383	0.15115	1	18
140	ANGINA PECTORIS	0.7859	2.7	0.29107	0.58215	0.17464	1	18
141	SYNCOPE & COLLAPSE W CC	0.6765	3.0	0.22550	0.45100	0.13530	1	23
142	SYNCOPE & COLLAPSE W/O CC	0.5384	2.3	0.23409	0.46817	0.14045	1	16
143	CHEST PAIN	0.5914	2.1	0.28162	0.56324	0.16897	1	12
144	OTHER CIRCULATORY DIAGNOSES WITH CC	1.4044	4.2	0.33438	0.66876	0.20063	1	33

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
145	OTHER CIRCULATORY DIAGNOSES W/O CC	0.8652	2.6	0.33277	0.66554	0.19966	1	25
146	RECTAL RESECTION W CC	2.7840	11.1	0.25081	0.50162	0.15049	3	34
147	RECTAL RESECTION W/O CC	1.7057	8.1	0.21058	0.42116	0.12635	2	28
148	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC	3.5149	11.4	0.30832	0.61665	0.18499	2	40
149	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC	1.9086	8.0	0.23858	0.47715	0.14314	1	37
150	PERITONEAL ADHESIOLYSIS W CC	2.7060	9.1	0.29736	0.59473	0.17842	1	38
151	PERITONEAL ADHESIOLYSIS W/O CC	1.2523	5.6	0.22363	0.44725	0.13418	1	34
152	MINOR SMALL & LARGE BOWEL PROCEDURES W CC	2.0675	8.2	0.25213	0.50427	0.15128	1	37
153	MINOR SMALL & LARGE BOWEL PROCEDURE W/O CC	1.1429	5.4	0.21165	0.42330	0.12699	1	28
154	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W CC	3.6369	10.0	0.36369	0.72738	0.21821	1	38
155	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W/O CC	1.7915	6.9	0.25964	0.51928	0.15578	1	31
156	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17	1.2797	4.6	0.27820	0.55639	0.16692	1	33
157	ANAL AND STOMAL PROCEDURES W CC	0.9030	3.5	0.25800	0.51600	0.15480	1	27
158	ANAL AND STOMAL PROCEDURES W/O CC	0.5648	2.2	0.25673	0.51345	0.15404	1	12
159	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W CC	1.1940	4.1	0.29122	0.58244	0.17473	1	33
160	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W/O CC	0.7927	2.8	0.28311	0.56621	0.16986	1	18
161	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W CC	0.6996	2.1	0.33314	0.66629	0.19989	1	14
162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W/O CC	0.5294	1.6	0.33088	0.66175	0.19853	1	7
163	HERNIA PROCEDURES AGE 0-17	0.4506	1.3	0.34662	0.69323	0.20797	1	5
164	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W CC	2.1141	8.5	0.24872	0.49744	0.14923	1	37
165	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W/O CC	1.1890	5.1	0.23314	0.46627	0.13988	1	24
166	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W CC	1.0452	4.1	0.25493	0.50985	0.15296	1	19
167	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W/O CC	0.7118	2.9	0.24545	0.49090	0.14727	1	10
168	MOUTH PROCEDURES W CC	0.9555	3.1	0.30823	0.61645	0.18494	1	32
169	MOUTH PROCEDURES W/O CC	0.6523	1.8	0.36239	0.72478	0.21743	1	15
170	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W CC	2.8657	8.4	0.34115	0.68231	0.20469	1	37
171	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/O CC	1.0559	3.8	0.27787	0.55574	0.16672	1	32
172	DIGESTIVE MALIGNANCY W CC	1.8335	6.3	0.29103	0.58206	0.17462	1	35
173	DIGESTIVE MALIGNANCY W/O CC	1.1363	4.6	0.24702	0.49404	0.14821	1	33
174	G.I. HEMORRHAGE W CC	1.0641	4.2	0.25336	0.50671	0.15201	1	25
175	G.I. HEMORRHAGE W/O CC	0.6538	3.1	0.21090	0.42181	0.12654	1	18
176	COMPLICATED PEPTIC ULCER	1.0141	4.7	0.21577	0.43153	0.12946	1	33
177	UNCOMPLICATED PEPTIC ULCER W CC	0.8330	3.9	0.21359	0.42718	0.12815	1	24
178	UNCOMPLICATED PEPTIC ULCER W/O CC	0.5983	3.0	0.19943	0.39887	0.11966	1	20
179	INFLAMMATORY BOWEL DISEASE	1.2394	5.7	0.21744	0.43488	0.13046	1	34
180	G.I. OBSTRUCTION W CC	1.0375	4.8	0.21615	0.43229	0.12969	1	33

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
181	G.I. OBSTRUCTION W/O CC	0.5908	3.1	0.19058	0.38116	0.11435	1	25
182	ESOPHAGITIS, GASTROENT, & MISC DIGEST DISORDERS AGE >17 W CC	0.7183	3.4	0 21126	0.42253	0.12676	1	26
183	ESOPHAGITIS, GASTROENT, & MISC DIGEST DISORDERS AGE >17 W/O CC	0.5362	2.7	0.19859	0.39719	0.11916	1	19
184	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS AGE 0-17	0.3535	2.3	0.15370	0.30739	0.09222	1	14
185	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE >17	0.7433	3.1	0.23977	0.47955	0.14386	1	30
186	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE 0-17	0.4058	2.4	0.16908	0.33817	0.10145	1	14
187	DENTAL EXTRACTIONS & RESTORATIONS	0.6438	1.7	0.37871	0.75741	0.22722	1	11
188	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W CC	0.9747	4.1	0.23773	0.47546	0.14264	1	33
189	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W/O CC	0.5002	2.3	0.21748	0.43496	0.13049	1	23
190	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE 0-17	0.3911	1.8	0.21728	0.43456	0.13037	1	12
191	PANCREAS, LIVER & SHUNT PROCEDURES W CC	5.1119	13.1	0.39022	0.78044	0.23413	1	42
192	PANCREAS, LIVER & SHUNT PROCEDURES W/O CC	2.9142	10.3	0.28293	0.56586	0.16976	1	39
193	BILIARY TRACT PROC EXCEPT ONLY TOT CHOLECYST W OR W/O C.D.E. W	3.3941	12.0	0.28284	0.56568	0.16970	1	41
194	BILIARY TRACT PROC EXCEPT ONLY TOT CHOLECYST W OR W/O C.D.E. W/	1.7502	7.0	0.25003	0.50006	0.15002	1	36
195	TOTAL CHOLECYSTECTOMY W C.D.E. W CC	1.8708	7.8	0.23985	0.47969	0.14391	1	32
196	TOTAL CHOLECYSTECTOMY W C.D.E. W/O CC	1.4161	6.7	0.21136	0.42272	0.12681	2	20
197	TOTAL CHOLECYSTECTOMY W/O C.D.E. W CC	1.5080	6.1	0.24721	0.49443	0.14833	1	25
198	TOTAL CHOLECYSTECTOMY W/O C.D.E. W/O CC	0.9790	4.4	0.22250	0.44500	0.13350	1	15
199	HEPATOBILIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY	2.3765	8.6	0.27634	0.55267	0.16580	1	37
200	HEPATOBILIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY	1.9349	5.9	0.32795	0.65590	0.19677	1	34
201	OTHER HEPATOBILIARY OR PANCREAS O.R. PROCEDURES	2.6187	6.1	0.42930	0.85859	0.25758	1	35
202	CIRRHOSIS & ALCOHOLIC HEPATITIS	1.7418	6.5	0.26797	0.53594	0.16078	1	35
203	MALIGNANCY OF HEPATOBILIARY SYSTEM OR PANCREAS	1.3748	5.3	0.25940	0.51879	0.15564	1	34
204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	1.1765	5.3	0.22198	0.44396	0.13319	1	34
205	DISORDERS OF LIVER EXC MALIG, CIRR, ALC HEPA W CC	1.6793	5.4	0.31098	0.62196	0.18659	1	34
206	DISORDERS OF LIVER EXC MALIG, CIRR, ALC HEPA W/O CC	0.5886	2.5	0.23544	0.47088	0.14126	1	31
207	DISORDERS OF THE BILIARY TRACT W CC	1.0638	4.2	0.25329	0.50657	0.15197	1	33
208	DISORDERS OF THE BILIARY TRACT W/O CC	0.6209	2.6	0.23881	0.47762	0.14328	1	21
209	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES	2.9407	9.1	0.32315	0.64631	0.19389	2	28
210	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W CC	2.6268	10.3	0.25503	0.51006	0 15302	1	39
211	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W/O CC	1.8461	7.8	0.23668	0.47336	0.14201	1	36
212	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE 0-17	1.5130	4.6	0.32891	0.65783	0.19735	1	33
213	AMPUTATIONS FOR MUSCULOSKELETAL SYSTEM & CONN TISSUE DISORDERS	2.2234	8.5	0.26158	0.52315	0.15695	1	37
214	BACK & NECK PROCEDURES W CC	1.9361	6.6	0.29335	0.58670	0.17601	1	35
215	BACK & NECK PROCEDURES W/O CC	1.2615	4.8	0.26281	0.52563	0.15769	1	26
216	BIOPSICS OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	1.7244	4.7	0.36689	0.73379	0.22014	1	33

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
217	WND DEBRID & SKN GRFT EXC HAND, FOR MUSCSKELET & CONN. TISS DIS	2.6197	7.1	0.36897	0.73794	0.22138	1	36
218	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE >17 W CC	1.6089	5.6	0.28730	0.57461	0.17238	1	34
219	LOWER EXTREM & HUMER PROC EXCEPT HIP , FOOT, FEMUR AGE >17 W/O	1.0345	3.6	0.28736	0.57472	0.17242	1	21
220	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR AGE 0-17	0.7933	2.3	0.34491	0.68983	0.20695	1	18
221	KNEE PROCEDURES W CC	1.5331	4.4	0.34843	0.69686	0.20906	1	33
222	KNEE PROCEDURES W/O CC	0.9868	2.5	0.39472	0.78944	0.23683	1	14
223	MAJOR SHOULDER/ELBOW PROC,OR OTHER UPPER EXTREMITY PROC WITH CC	0.8830	2.6	0.33962	0.67923	0.20377	1	19
224	SHOULDER,ELBOW OR FOREARM PROC,EXC MAJOR JOINT PROC, W/O CC	0.7380	2.0	0.36900	0.73800	0.22140	1	11
225	FOOT PROCEDURES	0.7363	2.1	0.35062	0.70124	0.21037	1	13
226	SOFT TISSUE PROCEDURES W CC	1.2258	3.9	0.31431	0.62862	0.18858	1	32
227	SOFT TISSUE PROCEDURES W/O CC	0.7549	2.3	0.32822	0.65643	0.19693	1	17
228	MAJOR THUMB OR JOINT PROC,OR OTH HAND OR WRIST PROC WITH CC	0.7922	2.0	0.39610	0.79220	0.23766	1	12
229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC	0.6084	1.6	0.38025	0.76050	0.22815	1	8
230	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES OF HIP & FEMUR	0.6759	2.0	0.33795	0.67590	0.20277	1	14
231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP & FEMUR	0.9585	2.4	0.39938	0.79875	0.23963	1	27
232	ARTHROSCOPY	0.9692	2.0	0.48460	0.96920	0.29076	1	22
233	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W CC	2.6703	6.6	0.40459	0.80918	0.24275	1	35
234	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W/O CC	1.0374	3.0	0.34580	0.69160	0.20748	1	27
235	FRACTURES OF FEMUR	1.2218	7.5	0.16291	0.32581	0.09774	1	36
236	FRACTURES OF HIP & PELVIS	1.1903	6.6	0.18035	0.36070	0.10821	1	35
237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH	0.5372	2.4	0.22383	0.44767	0.13430	1	31
238	OSTEOMYELITIS	1.3621	7.0	0.19459	0.38917	0.11675	1	35
239	PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONN TISS MALIGNCY	1.5201	6.8	0.22354	0.44709	0.13413	1	35
240	CONNECTIVE TISSUE DISORDERS W CC	1.5434	5.6	0.27561	0.55121	0.16536	1	34
241	CONNECTIVE TISSUE DISORDERS W/O CC	0.7234	3.6	0.20094	0.40189	0.12057	1	32
242	SEPTIC ARTHRITIS	1.4697	6.5	0.22611	0.45222	0.13566	1	35
243	MEDICAL BACK PROBLEMS	0.6259	3.2	0.19559	0.39119	0.11736	1	32
244	BONE DISEASES & SEPTIC ARTHROPATHIES W CC	1.3405	4.4	0.30466	0.60932	0.18280	1	33
245	BONE DISEASES & SEPTIC ARTHROPATHIES W/O CC	0.9556	3.9	0.24503	0.49005	0.14702	1	32
246	NON-SPECIFIC ARTHROPATHIES	0.6460	4.1	0.15756	0.31512	0.09454	1	27
247	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE	0.6295	3.3	0.19076	0.38152	0.11445	1	32
248	TENDONITIS, MYOSITIS & BURSITIS	0.5841	2.7	0.21633	0.43267	0.12980	1	24
249	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	0.8265	3.6	0.22958	0.45917	0.13775	1	32
250	FX SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W CC	0.8391	2.8	0.29968	0.59936	0.17981	1	31
251	FX SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W/O CC	0.5148	1.7	0.30282	0.60565	0.18169	1	12
252	FX, SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE 0-17	0.3638	1.3	0.27985	0.55969	0.16791	1	5

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	L_WGHT	LO_CUTPT	HI_CUTPT
253	FX SPRN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE >17 W CC	0.9303	4.5	0.20673	0.41347	0.12404	1	33
254	FX SPRN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE >17 W/O CC	0.5219	2.6	0.20073	0.40146	0.12044	1	20
255	FX, SPRN, STRN & DISL OF UPARM, LOWLEG EX FOOT AGE 0-17	0.4191	1.8	0.23283	0.46567	0.13970	1	14
256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	0.6718	2.6	0.25838	0.51677	0.15503	1	31
257	TOTAL MASTECTOMY FOR MALIGNANCY W CC	1.0889	4.1	0.26559	0.53117	0.15935	1	18
258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	0.8870	3.4	0.26088	0.52176	0.15653	1	14
259	SUBTOTAL MASTECTOMY FOR MALIGNANCY W CC	1.3701	3.5	0.39146	0.78291	0.23487	1	32
260	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/O CC	0.7378	2.2	0.33536	0.67073	0.20122	1	10
261	BREAST PROC FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION	0.9349	2.1	0.44519	0.89038	0.26711	1	10
262	BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY	0.5475	1.7	0.32206	0.64412	0.19324	1	9
263	SKIN GRAFT &/OR DEBRID FOR SKIN ULCER OR CELLULITIS W CC	3.0170	11.5	0.26235	0.52470	0.15741	1	40
264	SKIN GRAFT &/OR DEBRID FOR SKIN ULCER OR CELLULITIS W/O CC	1.8895	6.8	0.27787	0.55574	0.16672	1	35
265	SKIN GRAFT AND/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS WI	1.7689	5.2	0.34017	0.68035	0.20410	1	34
266	SKIN GRAFT AND/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/	0.9502	2.8	0.33936	0.67871	0.20361	1	26
267	PERIANAL & PILONIDAL PROCEDURES	0.5309	1.6	0.33181	0.66363	0.19909	1	10
268	SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES	0.7786	1.6	0.48663	0.97325	0.29198	1	12
269	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC W CC	1.8459	5.7	0.32384	0.64768	0.19431	1	34
270	OTHER SKIN, SUBCUT TISS & BREAST O.R. PROC W/O CC	0.7323	2.3	0.31839	0.63678	0.19103	1	22
271	SKIN ULCERS	1.4933	7.9	0.18903	0.37805	0.11342	1	36
272	MAJOR SKIN DISORDERS W CC	1.3829	5.1	0.27116	0.54231	0.16269	1	34
273	MAJOR SKIN DISORDERS W/O CC	0.7546	4.2	0.17967	0.35933	0.10780	1	33
274	MALIGNANT BREAST DISORDERS W CC	2.0838	6.6	0.31573	0.63145	0.18944	1	35
275	MALIGNANT BREAST DISORDERS W/O CC	1.6268	3.6	0.45189	0.90378	0.27113	1	32
276	NON-MALIGNANT BREAST DISORDERS	0.6935	2.6	0.26673	0.53346	0.16004	1	25
277	CELLULITIS AGE >17 W CC	0.9297	5.2	0.17879	0.35758	0.10727	1	33
278	CELLULITIS AGE >17 W/O CC	0.6602	4.1	0.16102	0.32205	0.09661	1	25
279	CELLULITIS AGE 0-17	0.4934	3.1	0.15916	0.31832	0.09550	1	17
280	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W CC	0.7382	2.9	0.25455	0.50910	0.15273	1	31
281	TRAUMA TO THESKIN, SUBCUT TISS & BREAST AGE >17 W/O CC	0.5108	2.0	0.25540	0.51080	0.15324	1	21
282	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE 0-17	0.3787	1.6	0.23669	0.47338	0.14201	1	10
283	MINOR SKIN DISORDERS W CC	0.7419	3.7	0.20051	0.40103	0.12031	1	32
284	MINOR SKIN DISORDERS W/O CC	0.5032	2.6	0.19354	0.38708	0.11612	1	29
285	AMPUTAT OF LOWER LIMB FOR ENDOCRINE, NUTRIT&METABOL DISORDERS	2.7431	13.6	0.20170	0.40340	0.12102		42
286	ADRENAL & PITUITARY PROCEDURES	2.1104	6.6	0.31976	0.63952	0.19185		33
287	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS	2.2301	9.1	0.24507	0.49013	0.14704	1	38
288	O.R. PROCEDURES FOR OBESITY	1.7266	5.0	0.34532	0.69064	0.20719	1	14

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
289	PARATHYROID PROCEDURES	0.8712	2.7	0.32267	0.64533	0.19360	1	13
290	THYROID PROCEDURES	0.7487	2.3	0.32552	0.65104	0.19531	1	9
291	THYROGLOSSAL PROCEDURES	0.5076	1.2	0.42300	0.84600	0.25380	1	4
292	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W CC	3.1150	10.6	0.29387	0.58774	0.17632	1	39
293	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W/O CC	1.0387	3.5	0.26820	0.53640	0.16092	1	29
294	DIABETES AGE >35	0.7571	4.8	0.15773	0.31546	0.09464	1	28
295	DIABETES AGE 0-35	0.5850	3.4	0.17206	0.34412	0.10324	1	21
296	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W CC	1.1324	4.7	0.24094	0.48187	0.14456	1	33
297	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W/O CC	0.5699	3.0	0.18997	0.37993	0.11398	1	31
298	NUTRITIONAL & MISC METABOLIC DISORDERS AGE 0-17	0.4416	2.6	0.16985	0.33969	0.10191	1	20
299	INBORN ERRORS OF METABOLISM	1.0326	4.5	0.22947	0.45893	0.13768	1	33
300	ENDOCRINE DISORDERS W CC	1.0508	3.9	0.26944	0.53887	0.16166	1	32
301	ENDOCRINE DISORDERS W/O CC	0.6318	2.6	0.24300	0.48600	0.14580	1	27
302	KIDNEY TRANSPLANT	6.7453	15.6	0.43239	0.86478	0.25943	3	44
303	KIDNEY, URETER & MAJOR BLADDER PROCEDURES FOR NEOPLASM	2.5181	9.0	0.27979	0.55958	0.16787	2	32
304	KIDNEY, URETER & MAJOR BLADDER PROC FOR NON-NEOPL W CC	2.0428	7.3	0.27984	0.55967	0.16790	1	36
305	KIDNEY, URETER & MAJOR BLADDER PROC FOR NON-NEOPL W/O CC	1.2256	4.4	0.27855	0.55709	0.16713	1	32
306	PROSTATECTOMY W CC	1.5412	5.2	0.29638	0.59277	0.17783	1	34
307	PROSTATECTOMY W/O CC	0.8123	3.5	0.23209	0.46417	0.13925	1	23
308	MINOR BLADDER PROCEDURES W CC	1.4083	4.7	0.29964	0.59928	0.17978	1	33
309	MINOR BLADDER PROCEDURES W/O CC	0.9558	2.9	0.32959	0.65917	0.19775	1	26
310	TRANSURETHRAL PROCEDURES W CC	1.0151	3.1	0.32745	0.65490	0.19647	1	24
311	TRANSURETHRAL PROCEDURES W/O CC	0.7409	2.3	0.32213	0.64426	0.19328	1	15
312	URETHRAL PROCEDURES, AGE >17 W CC	0.7523	2.6	0.28935	0.57869	0.17361	1	31
313	URETHRAL PROCEDURES, AGE >17 W/O CC	0.6544	1.8	0.36356	0.72711	0.21813	1	14
314	URETHRAL PROCEDURES, AGE 0-17	0.5581	1.5	0.37207	0.74413	0.22324	1	10
315	OTHER KIDNEY & URINARY TRACT O.R. PROCEDURES	2.2738	6.4	0.35528	0.71056	0.21317	1	35
316	RENAL FAILURE	1.9648	5.7	0.34470	0.68940	0.20682	1	34
317	ADMIT FOR RENAL DIALYSIS	0.4061	2.2	0.18459	0.36918	0.11075	1	21
318	KIDNEY & URINARY TRACT NEOPLASMS W CC	1.5489	5.6	0.27659	0.55318	0.16595	1	34
319	KIDNEY & URINARY TRACT NEOPLASMS W/O CC	1.1492	3.5	0.32834	0.65669	0.19701	1	32
320	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W CC	0.9528	4.7	0.20272	0.40545	0.12163	1	31
321	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W/O CC	0.6311	3.6	0.17531	0.35061	0.10518	1	18
322	KIDNEY & URINARY TRACT INFECTIONS AGE 0-17	0.5536	3.5	0.15817	0.31634	0.09490	1	19
323	URINARY STONES W CC, &/OR ESW LITHOTRIPSY	0.7595	2.2	0.34523	0.69045	0.20714	1	16
324	URINARY STONES W/O CC	0.4629	1.7	0.27229	0.54459	0.16338	1	9

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
325	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W CC	1.0265	3.7	0.27743	0.55486	0.16646	1	32
326	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W/O CC	0.5236	2.5	0.20944	0.41888	0.12566	1	21
327	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17	0.3690	1.9	0.19421	0.38842	0.11653	1	11
328	URETHRAL STRICTURE AGE >17 W CC	0.7366	3.8	0.19384	0.38768	0.11631	1	33
329	URETHRAL STRICTURE AGE >17 W/O CC	0.4135	1.5	0.27567	0.55133	0.16540	1	7
330	URETHRAL STRICTURE AGE 0-17	0.3196	1.6	0.19975	0.39950	0.11985	1	9
331	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W CC	0.9348	3.8	0.24600	0.49200	0.14760	1	32
332	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W/O CC	0.6318	2.8	0.22564	0.45129	0.13539	1	29
333	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17	0.8659	3.0	0.28863	0.57727	0.17318	1	32
334	MAJOR MALE PELVIC PROCEDURES WITH CC	2.2792	8.3	0.27460	0.54920	0.16476	3	22
335	MAJOR MALE PELVIC PROCEDURES W/O CC	1.6317	6.8	0.23996	0.47991	0.14397	1	26
336	TRANSURETHRAL PROSTATECTOMY W CC	1.0504	4.3	0.24428	0.48856	0.14657	1	18
337	TRANSURETHRAL PROSTATECTOMY W/O CC	0.7266	3.3	0.22018	0.44036	0.13211	1	10
338	TESTES PROCEDURES, FOR MALIGNANCY	0.8927	2.5	0.35708	0.71416	0.21425	1	31
339	TESTES PROCEDURES, NON-MALIGNANCY AGE >17	0.5388	1.5	0.35920	0.71840	0.21552	1	9
340	TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17	0.4871	1.4	0.34793	0.69586	0.20876	1	5
341	PENIS PROCEDURES	0.9275	2.5	0.37100	0.74200	0.22260	1	22
342	CIRCUMCISION AGE >17	0.5770	2.3	0.25087	0.50174	0.15052	1	24
343	CIRCUMCISION AGE 0-17	0.4229	1.2	0.35242	0.70483	0.21145	1	2
344	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROCEDURES FOR MALIGNANCY	1.4182	5.6	0.25325	0.50650	0.15195	1	31
345	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXCEPT FOR MALIGNANCY	0.5393	2.1	0.25681	0.51362	0.15409	1	8
346	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W CC	1.2738	4.5	0.28307	0.56613	0.16984	1	33
347	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W/O CC	1.1618	4.1	0.28337	0.56673	0.17002	1	25
348	BENIGN PROSTATIC HYPERTROPHY W CC	0.5046	1.8	0.28033	0.56067	0.16820	1	12
349	BENIGN PROSTATIC HYPERTROPHY W/O CC	0.4598	1.9	0.24200	0.48400	0.14520	1	13
350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM	0.6208	3.5	0.17737	0.35474	0.10642	1	22
351	STERILIZATION, MALE	0.3822	1.3	0.29400	0.58800	0.17640	1	5
352	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES	0.5722	2.1	0.27248	0.54495	0.16349	1	22
353	PELVIC EVISCERATION, RADICAL HYSTERECTOMY & VULVECTOMY	2.2394	8.6	0.26040	0.52079	0.15624	1	37
354	UTERINE,ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W CC	1.4736	6.1	0.24157	0.48315	0.14494	1	23
355	UTERINE,ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W/O CC	0.9082	4.2	0.21624	0.43248	0.12974	1	12
356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	0.8425	3.9	0.21603	0.43205	0.12962	1	14
357	UTERUS & ADENEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY	1.8611	7.1	0.26213	0.52425	0.15728	1	35
358	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W CC	1.1552	4.7	0.24579	0.49157	0.14747	1	14
359	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W/O CC	0.9099	3.9	0.23331	0.46662	0.13998	1	11
360	VAGINA, CERVIC & VULVA PROCEDURES	0.6866	2.5	0.27464	0.54928	0.16478	1	20

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
361	LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION	0.7317	2.4	0.30488	0.60975	0.18293	1	21
362	ENDOSCOPIC TUBAL INTERRUPTION	0.3886	1.4	0.27757	0.55514	0.16654	1	5
363	D&C, CONIZATION & RADIO-IMPLANT, FOR MALIGNANCY	0.6316	2.4	0.26317	0.52633	0.15790	1	14
364	D&C, CONIZATION EXCEPT FOR MALIGNANCY	0.4676	1.6	0.29225	0.58450	0.17535	1	10
365	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES	1.2792	4.7	0.27217	0.54434	0.16330	1	33
366	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W CC	1.4437	6.1	0.23667	0.47334	0.14200	1	35
367	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/O CC	0.8564	2.8	0.30586	0.61171	0.18351	1	31
368	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM	0.5769	3.3	0.17482	0.34964	0.10489	1	17
369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	0.4701	2.2	0.21368	0.42736	0.12821	1	15
370	CESAREAN SECTION WITH C. C.	0.9633	4.6	0.20941	0.41883	0.12565	1	14
371	CESAREAN SECTION W/O C. C.	0.7694	3.9	0.19728	0.39456	0.11837	1	8
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	0.5779	2.8	0.20639	0.41279	0.12384	1	14
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	0.3916	2.0	0.19580	0.39160	0.11748	1	6
374	VAGINAL DELIVERY W STERILIZATION AND/OR D&C	0.6281	2.4	0.26171	0.52342	0.15703	1	6
375	VAGINAL DELIVERY WITH O.R. PROC EXCEPT STERIL &/OR D+C	0.6221	2.5	0.24884	0.49768	0.14930	1	15
376	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE	0.4706	2.5	0.18824	0.37648	0.11294	1	15
377	POSTPARTUM AND POST ABORTION DIAGNOSES W O.R. PROCEDURE	0.7002	2.1	0.33343	0.66686	0.20006	1	19
378	ECTOPIC PREGNANCY	0.7821	3.1	0.25229	0.50458	0.15137	1	11
379	THREATENED ABORTION	0.3666	2.1	0.17457	0.34914	0.10474	1	19
380	ABORTION W/O D&C	0.3207	1.4	0.22907	0.45814	0.13744	1	6
381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY	0.4018	1.2	0.33483	0.66967	0.20090	1	4
382	FALSE LABOR	0.1700	1.2	0.14167	0.28333	0.08500	1	5
383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS	0.3524	2.5	0.14096	0.28192	0.08458	1	16
384	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS	0.3282	1.9	0.17274	0.34547	0.10364	1	17
385	NO LONGER VALID	.	.	.	.	.	.	.
386	NO LONGER VALID	.	.	.	.	.	.	.
387	NO LONGER VALID	.	.	.	.	.	.	.
388	NO LONGER VALID	.	.	.	.	.	.	.
389	NO LONGER VALID	.	.	.	.	.	.	.
390	NO LONGER VALID	.	.	.	.	.	.	.
391	NORMAL NEWBORNS	0.1222	2.1	0.05819	0.11638	0.03491	1	8
392	SPLENECTOMY AGE >17	1.9746	7.6	0.25982	0.51963	0.15589	2	23
393	SPLENECTOMY AGE 0-17	2.5411	7.2	0.35293	0.70586	0.21176	1	36
394	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS	1.0923	3.3	0.33100	0.66200	0.19860	1	32
395	RED BLOOD CELL DISORDERS AGE >17	0.9163	3.6	0.25453	0.50906	0.15272	1	32
396	RED BLOOD CELL DISORDERS AGE 0-17	0.5717	2.7	0.21174	0.42348	0.12704	1	24

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
397	COAGULATION DISORDERS	1.1130	3.4	0.32735	0.65471	0.19641	1	32
398	RETICULOENDOTHELIAL &IMMUNITY DISORDERS W CC	1.5915	5.9	0.26975	0.53949	0.16185	1	34
399	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W/O CC	0.7367	3.3	0.22324	0.44648	0.13395	1	32
400	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE	2.5465	6.9	0.36906	0.73812	0.22143	1	35
401	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROC W CC	3.0313	9.0	0.33681	0.67362	0.20209	1	37
402	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROCEDURE W/O CC	1.1805	3.2	0.36891	0.73781	0.22134	1	32
403	LYMPHOMA & NON-ACUTE LEUKEMIA W CC	2.8842	7.7	0.37457	0.74914	0.22474	1	36
404	LYMPHOMA & NON-ACUTE LEUKEMIA W/O CC	1.0922	4.0	0.27305	0.54610	0.16383	1	32
405	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE 0-17	2.2086	5.1	0.43306	0.86612	0.25984	1	34
406	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W CC	3.5461	10.5	0.33772	0.67545	0.20263	1	39
407	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W/O CC	1.9867	6.5	0.30565	0.61129	0.18339	1	35
408	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R. PROC	1.4324	3.7	0.38714	0.77427	0.23228	1	32
409	RADIOTHERAPY	0.8028	3.0	0.26760	0.53520	0.16056	1	31
410	CHEMOTHERAPY	0.7157	2.4	0.29821	0.59642	0.17893	1	17
411	HISTORY OF MALIGNANCY W/O ENDOSCOPY	0.2978	1.3	0.22908	0.45815	0.13745	1	4
412	HISTORY OF MALIGNANCY W ENDOSCOPY	0.4726	2.2	0.21482	0.42964	0.12889	1	21
413	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W CC	1.6973	5.9	0.28768	0.57536	0.17261	1	34
414	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W/O CC	1.0757	3.9	0.27582	0.55164	0.16549	1	32
415	O.R. PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES	3.5417	10.3	0.34385	0.68771	0.20631	1	39
416	SEPTECEMIA AGE >17	1.9758	6.8	0.29056	0.58112	0.17434	1	35
417	SEPTECEMIA AGE 0-17	0.8770	4.4	0.19932	0.39864	0.11959	1	31
418	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS	0.9502	5.1	0.18631	0.37263	0.11179	1	34
419	FEVER OF UNKNOWN ORIGIN AGE >17 W CC	1.0225	5.0	0.20450	0.40900	0.12270	1	33
420	FEVER OF UNKNOWN ORGIN AGE >17 W/O CC	0.7472	3.4	0.21976	0.43953	0.13186	1	31
421	VIRAL ILLNESS AGE >17	0.5912	3.1	0.19071	0.38142	0.11443	1	20
422	VIRAL ILLNESS & FEVER OF UNKNOWN ORIGIN AGE 0-17	0.4437	2.7	0.16433	0.32867	0.09860	1	13
423	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES	1.4288	5.0	0.28576	0.57152	0.17146	1	3
424	O.R. PROCEDURE W PRINCIPAL DIAGNOSES OF MENTAL ILLNESS	2.3511	14.8	0.15886	0.31772	0.09531	1	43
425	ACUTE ADJUST REACT & DISTURBANCES OF PSYCHOSOCIAL DYSFUNCTION	1.0797	6.5	0.16611	0.33222	0.09966	1	35
426	DEPRESSIVE NEUROSES	1.2920	9.2	0.14043	0.28087	0.08426	1	38
427	NEUROSES EXCEPT DEPRESSIVE	1.8114	7.3	0.24814	0.49627	0.14888	1	36
428	DISORDERS OF PERSONALITY & IMPULSE CONTROL	3.5325	9.8	0.36046	0.72092	0.21628	1	38
429	ORGANIC DISTURBANCES & MENTAL RETARDATION	1.9377	13.4	0.14460	0.28921	0.08676	1	42
430	PSYCHOSES	1.5425	8.9	0.17331	0.34663	0.10399	1	37
431	CHILDHOOD MENTAL DISORDERS	2.8787	11.0	0.26170	0.52340	0.15702	1	40
432	OTHER MENTAL DISORDERS DIAGNOSES	2.0099	13.1	0.15343	0.30685	0.09206	1	42

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
433	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA	0.7189	4.8	0.14977	0.29954	0.08986	1	33
434	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT W CC	1.3210	8.2	0.16110	0.32220	0.09666	1	37
435	NO LONGER VALID	.	.	.	.	.	.	.
436	ALC/DRUG DEPENDENCE W REHABILITATION THERAPY	1.1459	8.1	0.14147	0.28294	0.08488	1	37
437	ALC/DRUG DEPENDENCE, COMBINED REHAB & DETOX THERAPY	1.6812	20.7	0.08122	0.16243	0.04873	6	49
438	NO LONGER VALID	.	.	.	.	.	.	.
439	SKIN GRAFTS FOR INJURIES	2.3198	4.2	0.55233	1.10467	0.33140	1	33
440	WOUND DEBRIDEMENTS FOR INJURIES	1.9133	5.2	0.36794	0.73588	0.22077	1	34
441	HAND PROCEDURES FOR INJURIES	0.8430	2.2	0.38318	0.76636	0.22991	1	17
442	OTHER O.R. PROCEDURES FOR INJURIES W CC	2.4978	5.6	0.44604	0.89207	0.26762	1	34
443	OTHER O.R. PROCEDURES FOR INJURIES W/O CC	1.0625	2.6	0.40865	0.81731	0.24519	1	31
444	TRAUMATIC INJURY AGE >17 W CC	0.9504	4.1	0.23180	0.46361	0.13908	1	33
445	TRAUMATIC INJURY AGE >17 W/O CC	0.5651	2.7	0.20930	0.41859	0.12558	1	31
446	TRAUMATIC INJURY AGE 0-17	0.4562	2.0	0.22810	0.45620	0.13686	1	17
447	ALLERGIC REACTIONS AGE >17	0.5197	2.1	0.24748	0.49495	0.14849	1	18
448	ALLERGIC REACTIONS AGE 0-17	0.2790	1.5	0.18600	0.37200	0.11160	1	11
449	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W CC	0.9098	2.8	0.32493	0.64986	0.19496	1	31
450	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W/O CC	0.5039	2.0	0.25195	0.50390	0.15117	1	24
451	POISONING AND TOXIC EFFECTS OF DRUGS AGE 0-17	0.4245	1.6	0.26531	0.53063	0.15919	1	11
452	COMPLICATIONS OF TREATMENT W CC	1.4527	4.4	0.33016	0.66032	0.19810	1	33
453	COMPLICATIONS OF TREATMENT W/O CC	0.5390	2.3	0.23435	0.46870	0.14061	1	23
454	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W CC	1.0135	2.1	0.48262	0.96524	0.28957	1	21
455	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W/O CC	0.3647	1.5	0.24313	0.48627	0.14588	1	8
456	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY	1.7570	4.1	0.42854	0.85707	0.25712	1	33
457	EXTENSIVE BURNS W/O O.R. PROCEDURE	6.2203	8.4	0.74051	1.48102	0.44431	1	37
458	NON-EXTENSIVE BURNS W SKIN GRAFTS	3.1577	11.1	0.28448	0.56895	0.17069	1	40
459	NON-EXTENSIVE BURNS W WOUND DEBRIDEMENT OR OTHER O.R. PROC	2.0217	7.2	0.28079	0.56158	0.16847	1	36
460	NON-EXTENSIVE BURNS W/O O.R. PROCEDURE	0.8559	3.9	0.21946	0.43892	0.13168	1	32
461	O.R. PROC WITH DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES	1.2927	3.0	0.43090	0.86180	0.25854	1	32
462	REHABILITATION	3.1031	15.6	0.19892	0.39783	0.11935	1	44
463	SIGNS & SYMPTOMS WITH CC	0.8566	3.8	0.22542	0.45084	0.13525	1	32
464	SIGNS & SYMPTOMS W/O CC	0.5388	2.9	0.18579	0.37159	0.11148	1	26
465	AFTERCARE W HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	0.4637	1.9	0.24405	0.48811	0.14643	1	21
466	AFTERCARE W/O HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	0.7089	2.4	0.29538	0.59075	0.17723	1	31
467	OTHER FACTORS INFLUENCING HEALTH STATUS	0.4605	1.9	0.24237	0.48474	0.14542	1	16
468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	2.2231	5.3	0.41945	0.83891	0.25167	1	34

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EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
469	PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS	.	.	.	.	.	.	.
470	UNGROUPABLE	.	.	.	.	.	.	.
471	BILATERAL OR MULTIPLE MAJOR JOINT PROCEDURES OF LOWER EXTREM	4.8206	13.5	0.35708	0.71416	0.21425	3	42
472	EXTENSIVE BURNS W O.R. PROCEDURE	13.6536	21.0	0.65017	1.30034	0.39010	1	50
473	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE > 17	5.3447	9.9	0.53987	1.07974	0.32392	1	38
474	NO LONGER VALID	.	.	.	.	.	.	.
475	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT	4.3450	7.6	0.57171	1.14342	0.34303	1	36
476	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	2.4861	9.6	0.25897	0.51794	0.15538	1	38
477	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	1.3297	3.8	0.34992	0.69984	0.20995	1	32
478	OTHER VASCULAR PROCEDURES W CC	3.0829	6.9	0.44680	0.89359	0.26808	1	35
479	OTHER VASCULAR PROCEDURES W/O CC	1.7071	3.8	0.44924	0.89847	0.26954	1	32
480	LIVER TRANSPLANT	17.7168	22.8	0.77705	1.55411	0.46623	1	52
481	BONE MARROW TRANSPLANT	14.4484	36.6	0.39477	0.78953	0.23686	1	66
482	TRACHEOSTOMY W MOUTH, LARNYX OR PHARNYX DISORDER	3.2711	10.0	0.32711	0.65422	0.19627	2	39
483	TRACHEOSTOMY EXCEPT FOR MOUTH, LARNYX OR PHARNYX DISORDER	11.7630	19.0	0.61911	1.23821	0.37146	1	48
484	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA	8.1213	13.5	0.60158	1.20316	0.36095	1	43
485	LIMB REATTACHMENT, HIP AND FEMUR PROC FOR MULTIPLE SIGNIFICANT	4.8581	14.4	0.33737	0.67474	0.20242	2	43
486	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA	5.3864	11.1	0.48526	0.97052	0.29116	1	40
487	OTHER MULTIPLE SIGNIFICANT TRAUMA	2.8580	7.0	0.40829	0.81657	0.24497	1	36
488	HIV W EXTENSIVE O.R. PROCEDURE	4.7930	18.8	0.25495	0.50989	0.15297	1	48
489	HIV W MAJOR RELATED CONDITION	3.6808	10.8	0.34081	0.68163	0.20449	1	39
490	HIV W OR W/O OTHER RELATED CONDITION	2.1449	4.4	0.48748	0.97495	0.29249	1	33
600	NEONATE, DIED W/IN ONE DAY OF BIRTH	0.7679	1.0	0.76790	1.53580	0.46074	1	1
601	NEONATE, TRANSFERRED <5 DAYS OLD	0.3424	1.7	0.20141	0.40282	0.12085	1	8
602	NEONATE, BIRTHWT <750G, DISCHARGED ALIVE	4.1115	5.0	0.82230	1.64460	0.49338	1	34
603	NEONATE, BIRTHWT <750G, DIED	6.6799	3.7	1.80538	3.61076	1.08323	1	25
604	NEONATE, BIRTHWT 750-999G, DISCHARGED ALIVE	10.6475	25.7	0.41430	0.82860	0.24858	1	54
605	NEONATE, BIRTHWT 750-999G, DIED	4.6898	6.0	0.78163	1.56327	0.46898	1	34
606	NEONATE, BIRTHWT 1000-1499G, W SIGNIF OR PROC, DISCHARGED ALIVE	13.7310	61.5	0.22327	0.44654	0.13396	17	90
607	NEONATE, BIRTHWT 1000-1499G, W/O SIGNIF OR PROC, DISCHARGED ALI	6.1938	22.8	0.27166	0.54332	0.16299	1	51
608	NEONATE, BIRTHWT 1000-1499G, DIED	5.6951	6.9	0.82538	1.65075	0.49523	1	35
609	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W MULT MAJOR PRO	6.1661	19.0	0.32453	0.64906	0.19472	1	47
610	NEONATE, BIRTHWT 1500-1999G, W SIGNIF OR PROC, W/O MULT MAJOR P	7.9709	32.2	0.24754	0.49509	0.14853	12	61
611	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MULT MAJOR P	5.2900	14.3	0.36993	0.73986	0.22196	1	43
612	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC, W MAJOR PROB	3.9789	15.2	0.26177	0.52354	0.15706	1	44
613	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC W MINOR PROB	2.3547	13.2	0.17839	0.35677	0.10703	1	42

-- Continued --

EXHIBIT A-2: CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA WITH DIRECT CARE MODIFICATIONS

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
614	NEONATE, BIRTHWT 1500-1999G, W/O SIGNIF OR PROC W OTHER PROB	1.4099	9.9	0.14241	0.28483	0.08545	1	38
615	NEONATE, BIRTHWT 2000-2499G,W SIGNIF OR PROC, W MULT MAJOR PROB	6.3399	18.3	0.34644	0.69289	0.20787	2	47
616	NEONATE,BIRTHWT 2000-2499G,W SIGNIF OR PROC, W/O MULT MAJOR PRO	9.2240	14.1	0.65418	1.30837	0.39251	1	43
617	NEONATE, BIRTHWT 2000-2499G,W/O SIGNIF OR PROC. W MULT MAJOR PR	3.7257	10.4	0.35824	0.71648	0.21494	1	39
618	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC,W MAJOR PROB	2.3618	8.9	0.26537	0.53074	0.15922	1	37
619	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W MINOR PROB	1.4565	7.5	0.19420	0.38840	0.11652	1	36
620	NO LONGER VALID	.	.	.	.	.	.	.
621	NEONATE, BIRTHWT 2000-2499G, W/O SIGNIF OR PROC, W OTHER PROB	0.4882	3.8	0.12847	0.25695	0.07708	1	31
622	NEONATE, BIRTHWT >2499G, W SIGNIF OR PROC, W MULT MAJOR PROB	8.4813	17.6	0.48189	0.96378	0.28914	1	46
623	NEONATE, BIRTHWT >2499G, W SIGNIF OR PROC, W/O MULT PROB	3.2339	6.6	0.48998	0.97997	0.29399	1	35
624	NEONATE, BIRTHWT >2499G, W MINOR ABDOM PROCEDURE	0.9017	3.6	0.25047	0.50094	0.15028	1	26
625	NO LONGER VALID	.	.	.	.	.	.	.
626	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, MULT MAJOR PROB	3.7213	7.7	0.48329	0.96657	0.28997	1	36
627	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W MAJOR PROB	1.1313	4.0	0.28283	0.56565	0.16970	1	33
628	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W MINOR PROB	0.6175	3.7	0.16689	0.33378	0.10014	1	26
629	NO LONGER VALID	.	.	.	.	.	.	.
630	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W OTHER PROB	0.1917	2.6	0.07373	0.14746	0.04424	1	11
631	BPD AND OTH CHRONIC RESPIRATORY DISEASES ARISING IN PERINATAL P	5.5959	9.2	0.60825	1.21650	0.36495	1	38
632	OTHER RESPIRATORY PROBLEMS AFTER BIRTH	0.7807	3.6	0.21686	0.43372	0.13012	1	32
633	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W CC	0.3328	1.0	0.33280	0.66560	0.19968	1	1
634	MULTIPLE, OTHER AND UNSPECIFIED CONGENITAL ANOMALIES, W/O CC	2.4083	5.0	0.48166	0.96332	0.28900	4	5
635	NEONATAL AFTERCARE FOR WEIGHT GAIN	1.2606	4.8	0.26263	0.52525	0.15758	1	33
636	NEONATAL DIAGNOSIS AGE > 28 DAYS	5.1998	9.0	0.57776	1.15551	0.34665	1	37
900	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE <=21 W/O	2.0032	14.6	0.13721	0.27441	0.08232	1	43
901	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE > 21 W/O	1.4233	10.3	0.13818	0.27637	0.08291	1	39

TABLE A-3: FIELDS ADDED TO THE 537-BYTE BIOMETRICS RECORD BY THE SIDR RWP PROCESSOR

Variable Description	Columns
RWP Base Credit (real 9.4)	538:546
RWP Outlier Credit(real 9.4)	547:555
Outlier Status Flag	556:556
Transfer Status Flag	557:557
Filler	558:558

TABLE A-4: SOURCE OF ADMISSION CODES AND RECODED DISPOSITION CODES

SOURCE OF ADMISSION CODES

CODE	DESCRIPTION
0	Direct to military hospital from ER
1	Direct to military hospital from other than ER
2	Direct to Quarters (AD Only in AF MTF)
3	AD Direct to non-U.S. Armed Services hospital - never transferred to military hospital
4	Initial admission in non-U.S. Armed Services hospital, transferred to military (AD only)
5	Initial admission in non-U.S. Armed Services hospital, moved to military hospital (non-AD only)
6	Transfer from ARMY hospital
7	Transfer from NAVY hospital
8	Transfer from AIR FORCE hospital
L	Live birth in this hospital
C	Carded for Record Only (CRO)

RECODED DISPOSITION CODES

CODE	DESCRIPTION
00	Carded for Record Only (CRO)
01	Discharged to Home
02	Transferred
07	Left Against Medical Advice
20	Died
XX	Unknown

APPENDIX B

The FY91 Army RWP attachment program is contained in exhibit B-1, and the JCL for the Navy and Air Force RWP attachment programs are contained in exhibits B-2 and B-3, respectively. Exhibit B-4 presents the FY91 Army QC program, and exhibits B-5 and B-6 contain the JCL for the Navy and Air Force RWP QC programs, respectively. The trim point QC program is presented in exhibit B-7, the bedday QC program in exhibit B-8, the cross tabulation QC program in exhibit B-9, the length of stay percentiles program in exhibit B-10, the length-of-stay frequency program in exhibit B-11, the RWP QC program for each DRG in exhibit B-12, the RWP QC program for each MTF in exhibit B-13, and the RWP QC program for each Service in exhibit B-14.

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
//CSRTMR  JOB (RAMS),'VECTOR RESEARCH',CLASS=F,MSGCLASS=X,
//        MSGLEVEL=(1,1),TIME=(20,0),NOTIFY=CSR
/*JOBPARM LINES=25
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA,DISP=SHR
//WTIN    DD DSN=CSR.CHTRIMPT.FY90V8.SD2,DISP=SHR
//
//BIOOUT  DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,
//*          DISP=(NEW,DELETE),
//           DISP=(NEW,CATLG,DELETE),
//           LABEL=(1,SL,,,EXPDT=99000),
//*          LABEL=(1,SL),
//           UNIT=TAPE,
//           DCB=(LRECL=558,RECFM=FB,BLKSIZE=23436)
******  PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPARMY.FY91  ******;


 /*=================================================================
  BASIC STRUCTURE OF PROGRAM:
    I.  READ ENTIRE BIOMETRICS FILE INTO SAS DATASET.
   II.  SET UP A TEMPORARY SAS DATASET WITH FIELDS NECESSARY TO
        COMPUTE RWPS, SET UP FLAGS, AND COMPUTE TABULATIONS.
  III.  MERGE WITH DRG DATASET CONTAINING DRG WEIGHT, GLOS, HI_CUT,
        LO_CUT.
   IV.  PROCESSING:
        A.  SET TRANSFER STATUS FLAG
        B.  COMPUTE RWPS
            '.  SET OUTLIER STATUS FLAG
    V.  PRINT REPORTS
   VI   SORT BY MTF CODE AND PATIENT REGISTER NUMBER (BOTH ASCENDING)
  VII   MERGE IN FINAL SAS DATA SET (ON TAPE).
 VIII.  WRITE FLAT FILE TO TAPE.
 =================================================================*/


 /*=================================================================
   I.  CREATE SAS DATASET, READ BIOMETRICS DATA INTO IT.
 =================================================================*/


 /****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 1 ************/
 /*  VERIFY THAT BIOMETRICS INPUT FILE LAYOUT MATCHES THAT BELOW.  */
 /*    IF NOT, EDIT THE INPUT STATEMENTS TO MATCH THE BIOMETRICS   */
 /*    FILE LAYOUT.                                                */
 /*  CHANGE TITLE STATEMENT TO REFLECT CURRENT YEAR AND QUARTER.   */
 /*****************************************************************/
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
TITLE 'FY91 ARMY RWP ATTACHMENT PROGRAM';
DATA TEMP1;
  INFILE BIOIN;

  INPUT
      @1      PRN         $CHAR7. /* PATIENT REGISTER NUMBER */
      @8      MTFCODE     $CHAR6. /* REPORTING MTF */
      @14     STRING1     $CHAR13.
      @27     DX1         $CHAR8. /* DIAGNOSIS #1 */
      @35     STRING2     $CHAR100.
      @135    STRING3     $CHAR38.
      @173    ADMSRC      $CHAR1. /* SOURCE OF ADMISSION */
      @174    DISPDATE    $CHAR6. /* DATE OF DISPOSITION */
      @180    STRING4     $CHAR100.
      @280    STRING5     $CHAR100.
      @380    STRING6     $CHAR12.
      @392    DMISID      $CHAR4.
      @396    STRING7     $CHAR6.
      @402    DMISBENF    $CHAR3. /* DMIS BENEFICIARY CATEGORY */
      @405    STRING8     $CHAR6.
      @411    DMISDAYS         4. /* REC TOT BED/BASS DAYS */
      @415    STRING9     $CHAR13.
      @428    RECDISP     $CHAR2. /* RECODED DISP STATUS */
      @502    DRG              3.
      @505    MDC         $CHAR2.
      @507    STRING10    $CHAR31.
      ;

  PROC SORT;
    BY MTFCODE PRN;

/*=================================================================
  II.  SET UP TEMPORARY SAS DATA SET WITH ONLY VARIABLES
       NEEDED FOR RWP PROCESSING AND SETTING FLAGS.
=================================================================*/

DATA ONE;
  SET TEMP1 (KEEP=MTFCODE PRN DX1 DMISDAYS DRG RECDISP ADMSRC
                  DMISID DMISBENF MDC);
PROC SORT;
  BY DRG;

/*=================================================================
  III.  MERGE WITH DRG DATASET CONTAINING DRG WEIGHT, GLOS, HI_CUT,
        LO_CUT.
=================================================================*/
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
*------------DRG RELATIVE WEIGHTS AND OUTLIER CUTOFFS--------------*
* SELECT SAS DATASET CONTAINING RELATIVE WEIGHTS TO BE USED IN RWP   *
* CALCULATIONS.  THIS DATASET MUST CONTAIN THE RELATIVE WEIGHT (IN   *
* THIS CASE CHMPWT), GEOMETRIC MEAN LENGTH OF STAY (GLOS) AND SHORT  *
* AND LONG STAY OUTLIER CUTOFFS (LO_CUT AND HI_CUT) FOR EACH DRG.    *
*--------------------------------------------------------------------*;

  /****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 2 *************/
  /* CHANGE 'DODV8WT' TO NAME OF VARIABLE CONTAINING DRG WEIGHTS    */
  /*   IN THE FILE CONTAINING THE APPROPRIATE DRG WEIGHTS, GLOS, AND*/
  /*   TRIM POINTS.                                                 */
  /* VERIFY THAT THE LIBRARY REFERENCE (FY90) IS CORRECT FOR        */
  /*   THE CURRENT FILE OF DRG WEIGHTS, GLOS, AND TRIM POINTS.      */
  /* VERIFY THAT CURRENT OUTLIER CREDITING POLICY IS CORRECTLY      */
  /*   IMPLEMENTED:  2.0 MEANS 200 PERCENT PER DIEM (SHORT STAYS)   */
  /*   0.6 MEANS 60 PERCENT PER DIEM (LONG STAYS)                   */
  /*****************************************************************/
DATA WEIGHTS;SET WTIN.FY90(KEEP=DRG DODV8WT CH_GLOS CHLOCUT CHHICUTA);
 SS_FAC=2.0;
 LS_FAC=0.6;
 RENAME DODV8WT = CHMPWT;
 PD_WT=ROUND((DODV8WT/CH_GLOS),.0001);
 SS_WT=ROUND((PD_WT*SS_FAC),.0001);
 LS_WT=ROUND((PD_WT*LS_FAC),.0001);

 DATA START;
   MERGE ONE(IN=INB) WEIGHTS;
   BY DRG;
   IF INB;

  /*===================================================================
    IV.  BEGIN PROCESSING INDIVIDUAL BIOMETRICS RECORDS.
  ===================================================================*/

  /*===================================================================
    IV.B.  SET TRANSFER STATUS FLAG.
  ===================================================================*/
   DRGICAT = '1';
   IF ((RECDISP = '02') OR (RECDISP = '2 ')) THEN DO;
     IF ((ADMSRC = '4') OR
         (ADMSRC = '5') OR
         (ADMSRC = '6') OR
         (ADMSRC = '7') OR
         (ADMSRC = '8 ') OR
         (ADMSRC = '9') OR
         (ADMSRC = 'T')) THEN DO;
           DRGICAT = '3';
     END;
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
      IF ((ADMSRC = '0') OR
          (ADMSRC = '1') OR
          (ADMSRC = '2') OR
          (ADMSRC = '3') OR
          (ADMSRC = 'L') OR
          (ADMSRC = 'C')) THEN DO;
            DRGICAT = '2';
      END;
    END;

    IF ((RECDISP NE '02') AND (RECDISP NE '2 ')) THEN DO;
      IF ((ADMSRC = '4') OR
          (ADMSRC = '5') OR
          (ADMSRC = '6') OR
          (ADMSRC = '7') OR
          (ADMSRC = '8') OR
          (ADMSRC = '9') OR
          (ADMSRC = 'T')) THEN
            DRGICAT = '4';
    END;

*------------------INITIALIZE COUNT VARIABLES----------------------*
|                                                                   |
| INITIALIZE ALL COUNT AND RWP VARIABLES TO ZERO.  NOTE THAT IN ALL |
| THESE VARIABLES, THE FOLLOWING ABBREVIATIONS APPLY:               |
|                                                                   |
|          SS = SHORT STAY      LSB = LONG STAY BASE CREDIT         |
|          LS = LONG STAY       LSO = LONG STAY OUTLIER CREDIT      |
|          TR = TRANSFER        TRB = TRANSFER BASE CREDIT          |
|          IN = INLIER          TRO = TRANSFER OUTLIER CREDIT       |
|          BAD= DRG 469/470                                         |
|                                                                   |
*-------------------------------------------------------------------*;

BBDAYS=DMISDAYS;
  IF DMISDAYS=0 THEN BBDAYS=1;

  /*==================================================================
    IV.C. COMPUTE RWPS FOR EACH BIOMETRICS RECORD.  IN THE COURSE
          OF THIS PROCESS, THE OUTLIER STATUS FLAG WILL BE SET AS
          WELL.
  ==================================================================*/

OUTCAT='0';

SSCOUNT=0;
LSCOUNT=0;
INCOUNT=0;
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
TRIICNT=0;
TRISCNT=0;
TRILCNT=0;
TRIOICNT=0;
TRIOSCNT=0;
TRIOLCNT=0;
TROICNT=0;
TROSCNT=0;
TROLCNT=0;
BADCOUNT=0;
TRIOlICT=0;
RWP=0;
BASERWP=0;
OUTRWP=0;
IN_RWP=0;
SS_RWP=0;
LSB_RWP=0;
LS_RWP=0;
LSO_RWP=0;
TRIIRWP=0;
TRISRWP=0;
TRIBRWP=0;
TRILRWP=0;
TRIOIRWP=0;
TRIOSRWP=0;
TRIOBRWP=0;
TRIOLRWP=0;
TROIRWP=0;
TROSRWP=0;
TROBRWP=0;
TROLRWP=0;

SELECT;


*-----------------------DRGS 469 AND 470----------------------------*
*                                                                   *
| PROCESS DRGS 469 AND 470 SEPARATELY, GIVING ZERO RWP CREDIT AND   |
| SETTING BADCOUNT EQUAL TO 1.                                      |
*-------------------------------------------------------------------*;

  WHEN (DRG=469 OR DRG=470) DO;
    RWP=0;
    BADCOUNT=1;
    END;
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
/****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 3 ************/
/* DETERMINE WHETHER THE DRGS LISTED BELOW, OR ANY OTHER DRGS     */
/*   SHOULD BE HANDLED IN AN EXCEPTIONAL MANNER, SPECIFICALLY,    */
/*   IN THE MANNER OUTLINED IN THE BOX IMMEDIATELY BELOW THIS     */
/*   ONE.                                                         */
/*****************************************************************/


*--------- DRGS 456, 600, 601, 603, 605, AND 608 ----------------*
|                                                                 |
| PROCESS DRGS 600, 601, 603, 605, AND 608 AND DRG 456 (EXTEN-    |
| SIVE BURNS TRANSFERED SEPARATELY.  IF NOT A LONG STAY OUTLIER,  |
| GIVE FULL DRG CREDIT (CHMPWT).  IF A LONG STAY OUTLIER, GIVE FULL
| DRG CREDIT PLUS LONG STAY PERDIEM CREDIT (LS_WT) FOR ALL DAYS OVER
| THE LONG STAY CUTOFF POINT (CHHICUTA).                          |
*-----------------------------------------------------------------*;

  WHEN (DRG=456 OR DRG=600 OR DRG=601 OR DRG=603 OR DRG=605
        OR DRG=608) DO;
    SELECT;
      WHEN (BBDAYS LE CHHICUTA) DO;
        RWP=CHMPWT;
        BASERWP=RWP;
        IN_RWP=RWP;
        INCOUNT=1;
      END;
      WHEN (BBDAYS GT CHHICUTA) DO;
        OUTCAT='2';
        LSB_RWP=CHMPWT;
        LSO_RWP=LS_WT*(BBDAYS-CHHICUTA);
        RWP=LSB_RWP+LSO_RWP;
        BASERWP=LSB_RWP;
        OUTRWP=LSO_RWP;
        LS_RWP=RWP;
        LSCOUNT=1;
      END; /* WHEN */
    END; /* SELECT */
  END; /* WHEN DRG=456 OR 600'S */

 OTHERWISE DO;

*-----------------------------------------------------------------*
| FOR REMAINING DRGS, WORKLOAD CREDIT DEPENDS UPON                |
| DRGICAT (1, 2, 3, OR 4)                                         |
*-----------------------------------------------------------------*;

    SELECT (DRGICAT);
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
*---------------------DRGICAT = 1 RECORDS--------------------------*
?                                                                  ?
| FOR DRGICAT=1 (DIRECT IN, DISCHARGE OUT) GIVE SHORT STAY, INLIER,  |
| OR LONG STAY CREDIT DEPENDING UPON LENGTH OF STAY AND CUT POINTS.  |
*------------------------------------------------------------------*;

      WHEN ('1') DO;

*------------------------------------------------------------------*
| FOR INLIER CASES, GIVE FULL DRG CREDIT (CHMPWT)                   |
*------------------------------------------------------------------*;

     SELECT;

          WHEN (CHLOCUT LE BBDAYS LE CHHICUTA) DO;
            RWP=CHMPWT;
            IN_RWP=RWP;
            BASERWP=RWP;
            INCOUNT=1;
          END;

*------------------------------------------------------------------*
| FOR SHORT STAY OUTLIERS (BBDAYS < CHLOCUT) GIVE RWP CREDIT AS THE  |
| LESSER OF SHORT STAY PER DIEM OR FULL DRG CREDIT (CHMPWT).         |
*------------------------------------------------------------------*;

          WHEN (BBDAYS LT CHLOCUT) DO;
            OUTCAT='1';
            RWP=MIN(BBDAYS*SS_WT,CHMPWT);
            SS_RWP=RWP;
            BASERWP=RWP;
            SSCOUNT=1;
          END;

*------------------------------------------------------------------*
| FOR LONG STAY OUTLIERS, GIVE FULL DRG CREDIT (CHMPWT) PLUS LONG    |
| STAY PER DIEM CREDIT (LS_WT) FOR ALL DAYS OVER THE LONG STAY CUT   |
| OFF POINT (CHHICUTA).                                              |
*------------------------------------------------------------------*;

          WHEN (BBDAYS GT CHHICUTA) DO;
            OUTCAT='2';
            LSB_RWP=CHMPWT;
            LSO_RWP=LS_WT*(BBDAYS-CHHICUTA);
            RWP = SUM(LSB_RWP,LSO_RWP);
            LS_RWP=RWP;
            BASERWP=LSB_RWP;
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
            OUTRWP=LSO_RWP;
            LSCOUNT=1;
          END; /* WHEN LONGSTAY */
        END;    /* SELECT */
      END;     /* WHEN DRGICAT = 1 */


*----------------------DRGICAT = 2 RECORDS-------------------------*
?                                                                  ?
| FOR DRGICAT=2 (DIRECT IN, TRANSFER OUT), GIVE PER DIEM (PD_WT)   |
| UP TO FULL DRG WEIGHT.  IF CASE IS A LONG STAY OUTLIER, GIVE FULL|
| DRG CREDIT PLUS LS PER DIEM (LS_WT) FOR DAYS ABOVE LONG STAY CUT.|
*------------------------------------------------------------------*;

      WHEN ('2') DO;

        SELECT;

*------------------------------------------------------------------*
| LENGTH OF STAY NOT GREATER THAN LONG STAY OUTLIER CUTOFF         |
*------------------------------------------------------------------*;

          WHEN (BBDAYS LE CHHICUTA) DO;
            RWP=MIN(CHMPWT,BBDAYS*PD_WT);
            TROIRWP=RWP;
            BASERWP=RWP;
            TROICNT=1;
          END;

*------------------------------------------------------------------*
|  LONG STAY OUTLIERS.                                             |
*------------------------------------------------------------------*;

          WHEN (BBDAYS GT CHHICUTA) DO;
            OUTCAT='2';
            TROBRWP=CHMPWT;
            TROLRWP=LS_WT*(BBDAYS-CHHICUTA);
            LS_RWP =SUM(TROBRWP,TROLRWP);
            RWP=LS_RWP;
            BASERWP=TROBRWP;
            OUTRWP=TROLRWP;
            TROLCNT=1;
          END; /* LONG STAY */
        END;    /* SELECT */
      END;     /* WHEN DRGICAT=2 */
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
*----------------------DRGICAT = 3 RECORDS--------------------------*
?                                                                   ?
| FOR DRGICAT=3 (TRANSFER IN, TRANSFER OUT) CASES ARE CURRENTLY     |
| HANDLED EXACTLY LIKE DRGICAT=1.  THE ASSUMPTION IS THAT MOST OF   |
| THESE CASES OCCUR IN MEDICAL CENTERS, HAVING BEEN TRANSFERED FROM |
| PRIMARY CARE FACILITIES FOR ACUTE MEDICAL CARE AND THEN RETURNED TO|
| ORIGINAL MTF.  WORKLOAD CREDIT IS IDENTICAL TO THAT OF AN IN/OUT  |
| DISPOSITION.  THESE CASES ARE TRACKED SEPARATELY FROM DRGICAT=1   |
| CASES FOR ANALYSIS PURPOSES ONLY.                                 |
*-------------------------------------------------------------------*;

      WHEN ('3') DO;
        SELECT;

*-------------------------------------------------------------------*
| INLIERS                                                           |
*-------------------------------------------------------------------*;

          WHEN (CHLOCUT LE BBDAYS LE CHHICUTA) DO;
            RWP=CHMPWT;
            BASERWP=RWP;
            TRIOIRWP=RWP;
            TRIOICNT=1;
          END;

*-------------------------------------------------------------------*
| SHORT STAY OUTLIERS                                               |
*-------------------------------------------------------------------*;

          WHEN (BBDAYS LT CHLOCUT) DO;
            OUTCAT='1';
            RWP=MIN(BBDAYS*SS_WT,CHMPWT);
            TRIOSRWP=RWP;
            BASERWP=RWP;
            TRIOSCNT=1;
          END;


*-------------------------------------------------------------------*
| LONG STAY OUTLIERS                                                |
*-------------------------------------------------------------------*;

          WHEN (BBDAYS GT CHHICUTA) DO;
            OUTCAT='2';
            TRIOBRWP=CHMPWT;
            TRIOLRWP=LS_WT*(BBDAYS-CHHICUTA);
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
            LS_RWP = SUM(TRIOBRWP,TRIOLRWP);
            RWP=LS_RWP;
            BASERWP=TRIOBRWP;
            OUTRWP=TRIOLRWP;
            TRIOLCNT=1;
          END;  /* LONG STAY */
        END;   /* SELECT */
      END;     /* WHEN DRGICAT=3 */

*---------------------DRGICAT = 4 RECORDS--------------------------*
?                                                                  ?
| FOR DRGICAT=4 (TRANSFER IN, DIRECT OUT) CASES ARE CURRENTLY HANDLED|
| EXACTLY LIKE DRGICAT=1.  THESE CASES ARE TRACKED SEPARATELY FROM  |
| DRGICAT = 1 CASES FOR ANALYSIS PURPOSES.                          |
*------------------------------------------------------------------*;

      WHEN ('4') DO;
        SELECT;

*------------------------------------------------------------------*
| INLIERS                                                          |
*------------------------------------------------------------------*;

          WHEN (CHLOCUT LE BBDAYS LE CHHICUTA) DO;
            RWP=CHMPWT;
            TRIIRWP=RWP;
            BASERWP=RWP;
            TRIICNT=1;
          END;

*------------------------------------------------------------------*
| SHORT STAY OUTLIERS                                              |
*------------------------------------------------------------------*;

          WHEN (BBDAYS LT CHLOCUT) DO;
            OUTCAT='1';
            RWP=MIN(BBDAYS*SS_WT,CHMPWT);
            TRISRWP=RWP;
            BASERWP=RWP;
            TRISCNT=1;
          END;


*------------------------------------------------------------------*
| LONG STAY OUTLIERS                                               |
*------------------------------------------------------------------*;
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
        WHEN (BBDAYS GT CHHICUTA) DO;
          OUTCAT='2';
          TRIBRWP=CHMPWT;
          TRILRWP=LS_WT*(BBDAYS-CHHICUTA);
          LS_RWP = SUM(TRIBRWP,TRILRWP);
          RWP=LS_RWP;
          BASERWP=TRIBRWP;
          OUTRWP=TRILRWP;
          TRILCNT=1;
        END;  /* LONG STAY */
      END;  /* SELECT */
    END;  /* WHEN */

  END;    /* SELECT (DRGICAT) */
END;   /* OTHERWISE  */
END;     /* BIG SELECT */


/*===================================================================
  V.  PRINT REPORTS AT VARIOUS LEVELS, TO AID IN QC
===================================================================*/

  DATA SUMUP; SET START;

GOODDISP = SUM(INCOUNT,SSCOUNT,LSCOUNT,TROICNT,TROLCNT,TRIOICNT,
               TRIOSCNT,TRIOLCNT,TRIICNT,TRISCNT,TRILCNT);
TOTRWP = SUM(BASERWP,OUTRWP);
PROC SUMMARY NWAY;
 CLASS DMISID MDC DMISBENF OUTCAT DRGICAT;
 VAR BADCOUNT INCOUNT SSCOUNT LSCOUNT TROICNT TROLCNT TRIOICNT
     TRIOSCNT TRIOLCNT TRIICNT TRISCNT TRILCNT GOODDISP BADCOUNT
     BASERWP OUTRWP RWP IN_RWP SS_RWP LSB_RWP LSO_RWP LS_RWP TOTRWP
     TROIRWP TROLRWP TRIOIRWP TRIOSRWP TRIOLRWP TRIIRWP TRISRWP
     TRILRWP TRISRWP TROBRWP TRIOBRWP TRIBRWP;
 OUTPUT OUT=RESULTS SUM=;

DATA SUMOUT; SET RESULTS;
  PROC SUMMARY NWAY;
  CLASS OUTCAT;
  VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
  OUTPUT OUT=OUTCAT1 SUM=;
PROC PRINT DATA=OUTCAT1;
  VAR OUTCAT TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
  TITLE2 'RWPS AND DISPOSITIONS BY OUTLIER STATUS';
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
DATA SUMICAT; SET RESULTS;
  PROC SUMMARY NWAY;
  CLASS DRGICAT;
  VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
  OUTPUT OUT=DRGICAT1 SUM=;
PROC PRINT DATA=DRGICAT1,
  VAR DRGICAT TOTRWP BASERWP OUTRWP GOODDISP;
  TITLE2 'RWPS AND DISPOSITIONS BY TRANSFER STATUS';

DATA BJNREP; SET RESULTS;
 TOTCNT = SUM(BADCOUNT,GOODDISP);
  BSSCNT = SUM(SSCOUNT,TRISCNT,TRIOSCNT);
  BINCNT = SUM(INCOUNT,TRIICNT,TRIOICNT);
  BLSCNT = SUM(LSCOUNT,TRILCNT,TRIOLCNT);
  BTRCNT = SUM(TROICNT,TROLCNT);
  BINRWP = SUM(IN_RWP,TRIIRWP,TRIOIRWP);
  BSSRWP = SUM(SS_RWP,TRISRWP,TRIOSRWP);
  BLSBRWP = SUM(LSB_RWP,TRIBRWP,TRIOBRWP);
  BLSORWP = SUM(LSO_RWP,TRILRWP,TRIOLRWP);
  BTRBRWP = SUM(TROBRWP,TROIRWP);
  BTRLRWP = TROLRWP;

  PROC SUMMARY NWAY;
    CLASS DMISID;
    VAR TOTRWP BSSCNT BSSRWP BLSCNT BLSBRWP BLSORWP BTRCNT BTRBRWP
        TOTCNT BADCOUNT BTRLRWP BINCNT BINRWP GOODDISP;
    OUTPUT OUT=BJNREP1 SUM=;
  PROC PRINT DATA=BJNREP1;
    VAR DMISID TOTCNT BSSCNT BSSRWP BINCNT BINRWP BLSCNT BLSBRWP
        BLSORWP BTRCNT BTRBRWP BTRLRWP BADCOUNT GOODDISP TOTRWP;
  TITLE2 'RWPS AND DISPOSITIONS BY DMISID AND OUTLIER STATUS';

PROC SUMMARY NWAY DATA=RESULTS;
  CLASS MDC;
  VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
  OUTPUT OUT=MDCREP SUM=;

PROC SUMMARY NWAY DATA=RESULTS;
  CLASS DMISBENF;
  VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
  OUTPUT OUT=BENFREP SUM=;

  PROC PRINT DATA=MDCREP;
    VAR MDC TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
  TITLE2 'RWPS AND DISPOSITIONS BY MDC';
  PROC PRINT DATA=BENFREP;
    VAR DMISBENF TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
  TITLE2 'RWPS AND DISPOSITIONS BY DMIS BENEFICIARY TYPE';
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
/*================================================================
  VI.  SORT BY MTFCODE AND PRN
================================================================*/

DATA TWO;SET START(KEEP=MTFCODE PRN BASERWP OUTRWP OUTCAT DRGICAT);

PROC SORT;
  BY MTFCODE PRN;

/*================================================================
  VII.  MERGE IN FINAL SAS DATASET (ON TAPE).
================================================================*/
DATA TEMP3;
  MERGE TEMP1 TWO;
  BY MTFCODE PRN;

/*================================================================
  VIII.  WRITE TO FLAT FILE ON TAPE.
================================================================*/

/****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 4 *************/
/* IF INPUT FILE LAYOUT HAS CHANGED, MAKE CORRESPONDING CHANGES   */
/* TO PUT STATEMENTS BELOW.                                       */
/******************************************************************/
FILE BIOOUT;
  PUT
      @1     PRN         $CHAR7. /* PATIENT REGISTER NUMBER */
      @8     MTFCODE     $CHAR6. /* REPORTING MTF */
      @14    STRING1     $CHAR13.
      @27    DX1         $CHAR8. /* DIAGNOSIS #1 */
      @35    STRING2     $CHAR100.
      @135   STRING3     $CHAR38.
      @173   ADMSRC      $CHAR1. /* SOURCE OF ADMISSION */
      @174   DISPDATE    $CHAR6. /* DATE OF DISPOSITION */
      @180   STRING4     $CHAR100.
      @280   STRING5     $CHAR100.
      @380   STRING6     $CHAR12.
      @392   DMISID      $CHAR4.
      @396   STRING7     $CHAR6.
      @402   DMISBENF    $CHAR3. /* DMIS BENEFICIARY CATEGORY */
      @405   STRING8     $CHAR6.
      @411   DMISDAYS         4. /* REC TOT BED/BASS DAYS */
      @415   STRING9     $CHAR13.
      @428   RECDISP     $CHAR2. /* RECODED DISP STATUS */
      @502   DRG              3.
      @505   MDC         $CHAR2.
      @507   STRING10    $CHAR31.
      @538   BASERWP         9.4
```

-- Continued --

EXHIBIT B-1: FY91 ARMY RWP ATTACHMENT PROGRAM

```
    @547    OUTRWP          9.4
    @556    OUTCAT       $CHAR1.
    @557    DRGICAT      $CHAR1.
    ;

PROC SUMMARY NWAY;
CLASS DMISID;
VAR BASERWP OUTRWP;
OUTPUT OUT=FINSUM SUM=;

DATA FINRWP;SET FINSUM;
  FINTOT = SUM(BASERWP,OUTRWP);
  FINPLUS = BASERWP+OUTRWP;
PROC PRINT DATA=FINRWP;
  VAR DMISID FINTOT FINPLUS BASERWP OUTRWP;
```

EXHIBIT B-2: FY91 NAVY JCL FOR RWP ATTACHMENT PROGRAM

```
//CSRTMR  JOB (RAMS),'VECTOR RESEARCH',CLASS=F,MSGCLASS=X,
//        MSGLEVEL=(1,1),TIME=(20,0),NOTIFY=CSR
/*JOBPARM LINES=25
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.MYT.NAVY.G123491.SIDR.VA,DISP=SHR
//WTIN    DD DSN=CSR.CHTRIMPT.FY90V8.SD2,DISP=SHR
//
//BIOOUT  DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,
//*          DISP=(NEW,DELETE),
//           DISP=(NEW,CATLG,DELETE),
//           LABEL=(1,SL,,,EXPDT=99000),
//*          LABEL=(1,SL),
//           UNIT=TAPE,
//           DCB=(LRECL=558,RECFM=FB,BLKSIZE=23436)
******  PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPNAVY.FY91  ******;
```

EXHIBIT B-3: FY91 AIR FORCE JCL FOR RWP ATTACHMENT PROGRAM

```
//CSRTMR  JOB (RAMS),'VECTOR RESEARCH',CLASS=F,MSGCLASS=X,
//        MSGLEVEL=(1,1),TIME=(20,0),NOTIFY=CSR
/*JOBPARM LINES=25
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.MYT.USAF.G123491.SIDR.VA,DISP=SHR
//WTIN    DD DSN=CSR.CHTRIMPT.FY90V8.SD2,DISP=SHR
//
//BIOOUT  DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,
//*          DISP=(NEW,DELETE),
//           DISP=(NEW,CATLG,DELETE),
//           LABEL=(1,SL,,,EXPDT=99000),
//*          LABEL=(1,SL),
//           UNIT=TAPE,
//           DCB=(LRECL=558,RECFM=FB,BLKSIZE=23436)
******  PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPUSAF.FY91  ******;
```

EXHIBIT B-4: FY91 ARMY RWP QC PROGRAM

```
//CSRTMR JOB (RAMS),'VECTOR RESEARCH',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//             TIME=(10,0),NOTIFY=CSR
//    EXEC SAS606,WORK='100,100',SORT=6,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
****** PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPARMQC.PROG91  ******;


  TITLE 'FY91 ARMY BIOMETRICS TABULATION QC PROGRAM';
  DATA TEMP1;
    INFILE BIOIN;

    INPUT
        @1      PRN         $CHAR7. /* PATIENT REGISTER NUMBER */
        @8      MTFCODE     $CHAR6. /* REPORTING MTF */
        @27     DX1         $CHAR8. /* DIAGNOSIS #1 */
        @173    ADMSRC      $CHAR1. /* SOURCE OF ADMISSION */
        @174    DISPDATE    $CHAR6. /* DATE OF DISPOSITION */
        @392    DMISID      $CHAR4.
        @402    DMISBENF    $CHAR3. /* DMIS BENEFICIARY CATEGORY */
        @411    DMISDAYS         4. /* REC TOT BED/BASS DAYS */
        @428    RECDISP     $CHAR2. /* RECODED DISP STATUS */
        @502    DRG              3.
        @505    MDC         $CHAR2.
        @538    BASERWP          9.4
        @547    OUTRWP           9.4
        @556    OUTCAT      $CHAR1.
        @557    DRGICAT     $CHAR1.
        ;


  DATA FIRSTSUM; SET TEMP1 (KEEP=DMISID BASERWP OUTRWP);
  PROC SUMMARY NWAY;
    CLASS DMISID;
    VAR BASERWP OUTRWP;
    OUTPUT OUT=FIRSTRWP SUM=BASE1 OUT1;


DATA FIRSTREP; SET FIRSTRWP;
   FIRSTTOT=SUM(BASE1,OUT1);
   PROC PRINT;
   VAR DMISID FIRSTTOT BASE1 OUT1;
     TITLE2 'TOTAL RWPS, BASE RWPS, AND OUTLIER RWPS BY DMISID';

   DATA SUMMS; SET TEMP1 (KEEP=DMISID MDC DRG BASERWP OUTRWP
                              DRGICAT DMISBENF OUTCAT);
  DISPS = 1;
  TOTRWP = SUM(BASERWP,OUTRWP);
```

-- Continued --

EXHIBIT B-4: FY91 ARMY RWP QC PROGRAM

```
  PROC SUMMARY NWAY DATA=SUMMS;
    CLASS OUTCAT;
    VAR BASERWP OUTRWP TOTRWP DISPS;
    OUTPUT OUT=SUMMOUT SUM=;
  PROC PRINT DATA=SUMMOUT;
    VAR OUTCAT TOTRWP BASERWP OUTRWP DISPS;
    TITLE2 'RWPS AND DISPOSITIONS BY OUTLIER STATUS';

  PROC SUMMARY NWAY DATA=SUMMS;
    CLASS DRGICAT;
    VAR BASERWP OUTRWP TOTRWP DISPS;
    OUTPUT OUT=SUMMICAT SUM=;
  PROC PRINT DATA=SUMMICAT;
    VAR DRGICAT TOTRWP BASERWP OUTRWP DISPS;
    TITLE2 'RWPS AND DISPOSITIONS BY TRANSFER STATUS';

  PROC SUMMARY NWAY DATA=SUMMS;
    CLASS MDC;
    VAR BASERWP OUTRWP TOTRWP DISPS;
    OUTPUT OUT=SUMMMDC  SUM=;
  PROC PRINT DATA=SUMMMDC ;
    VAR MDC TOTRWP BASERWP OUTRWP DISPS;
    TITLE2 'RWPS AND DISPOSITIONS BY MDC';

  PROC SUMMARY NWAY DATA=SUMMS;
    CLASS DMISBENF;
    VAR BASERWP OUTRWP TOTRWP DISPS;
    OUTPUT OUT=SUMMBENF SUM=;
  PROC PRINT DATA=SUMMBENF;
    VAR DMISBENF TOTRWP BASERWP OUTRWP DISPS;
    TITLE2 'RWPS AND DISPOSITIONS BY DMIS BENEFICIARY TYPE';

DATA ONE;
  SET TEMP1       (KEEP=DMISID  MDC DRG BASERWP OUTRWP OUTCAT
                        DRGICAT DMISBENF);
  DISPS = 1;
  TOTRWP = SUM(BASERWP,OUTRWP);

  DATA SUMIN; SET ONE;
    IF (OUTCAT = '0') AND (BASERWP GT 0);
  PROC SUMMARY NWAY;
    CLASS DMISID;
    VAR BASERWP DISPS;
    OUTPUT OUT=INSUM  SUM=INRWP INCNT;

  DATA SUMSS; SET ONE;
    IF (OUTCAT = '1') AND (BASERWP GT 0);
```

-- Continued --

EXHIBIT B-4: FY91 ARMY RWP QC PROGRAM

```
PROC SUMMARY NWAY;
  CLASS DMISID;
  VAR BASERWP DISPS;
  OUTPUT OUT=SSSUM SUM=SSRWP SSCNT;

DATA SUMLS; SET ONE;
  IF (OUTCAT = '2') AND (BASERWP GT 0);

PROC SUMMARY NWAY;
  CLASS DMISID;
  VAR BASERWP OUTRWP DISPS TOTRWP;
  OUTPUT OUT=LSSUM SUM=LSBRWP LSLRWP LSCNT;

  DATA COMETO;
    MERGE INSUM SSSUM LSSUM;
    BY DMISID;

    TOTALRWP = SUM(INRWP,SSRWP,LSBRWP,LSLRWP,);
    GOODDISP = SUM(INCNT,SSCNT,LSCNT);

    PROC PRINT;
    VAR DMISID TOTALRWP GOODDISP INRWP INCNT SSRWP SSCNT LSBRWP
               LSLRWP LSCNT;
    TITLE2 'RWPS AND DISPOSITIONS BY DMISID AND OUTLIER STATUS';
```

EXHIBIT B-5: FY91 NAVY JCL FOR RWP QC PROGRAM

```
//CSRTMR JOB (RAMS),'VECTOR RESEARCH',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//             TIME=(10,0),NOTIFY=CSR
//    EXEC SAS606,WORK='100,100',SORT=6,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR
****** PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPNAVQC.PROG91  ******;
```

EXHIBIT B-6: FY91 AIR FORCE JCL FOR RWP QC PROGRAM

```
//CSRTMR JOB (RAMS),'VECTOR RESEARCH',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//             TIME=(10,0),NOTIFY=CSR
//    EXEC SAS606,WORK='100,100',SORT=6,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR
****** PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPAIRQC.PROG91  ******;
```

EXHIBIT B-7: TRIM POINT QC PROGRAM

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//        MSGLEVEL=(1,1),TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606
//BIOIN   DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR
 ********* PROGRAM NAME:  HAF.CON.VRI.TMR.TRIMPTQC.PROG **********;

 OPTIONS  PAGESIZE = 45  NODATE NONUMBER
          LINESIZE = 175;


 DATA TEMP1; SET BIOIN.FY90;
   PER_DIEM = DODV8WT/CH_GLOS;
   SS_WGHT = PER_DIEM * 2;
   LS_WGHT = PER_DIEM * .6;
   RENAME DODV8WT = DRG_WGHT
          CH_GLOS = GLOS
          CHLOCUT = LO_CUTPT
          CHHICUTA = HI_CUTPT;


   PROC SORT;
     BY DRG;

  PROC PRINT DATA=TEMP1;
    VAR DRGTITLE DRG_WGHT GLOS PER_DIEM SS_WGHT LS_WGHT LO_CUTPT
        HI_CUTPT;
    ID DRG;
    TITLE1 '  ';
    TITLE2 '  ';
    TITLE3 'CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA';
    FOOTNOTE1 "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                      &SYSDATE";
    FOOTNOTE2 ' ';
```

EXHIBIT B-8: BEDDAY QC PROGRAM

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//        TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
//        DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//        DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//BIOIN2  DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR
  ********* PROGRAM NAME: HAF.CON.VRI.TMR.BEDDAYQC.PROG  *********;
  OPTIONS PAGESIZE = 45 NONUMBER NODATE
          LINESIZE = 175;

  PROC FORMAT;
    PICTURE PCTWO LOW - <0 = '0009.99%' (PREFIX = '-')
                  0 - HIGH = '0009.99%';

  DATA TEMP1;
    INFILE BIOIN;

    INPUT
        @392   DMISID     $CHAR4.
        @411   BEDDAYS         4.
        @502   DRG             3.
        ;


  PROC SUMMARY NWAY DATA=TEMP1;
    CLASS DRG;
    VAR BEDDAYS;
    OUTPUT OUT=TEMP2 N=DISP SUM= MEAN=ALOS;

 PROC DATASETS LIBRARY=WORK;
   DELETE TEMP1;

 DATA TEMP3; SET BIOIN2.FY90(KEEP=DRG DRGTITLE);
  PROC SORT;
    BY DRG;

  PROC SORT DATA=TEMP2;
    BY DRG;

  DATA DRGBASE;
    MERGE TEMP2(IN=INDRG) TEMP3;
       BY DRG; IF INDRG;
       DUMMY=1;
```

-- Continued --

EXHIBIT B-8: BEDDAY QC PROGRAM

```
PROC SUMMARY NWAY DATA=DRGBASE;
  VAR BEDDAYS DISP;
  OUTPUT OUT=TOTRES1 SUM=TOT_DAYS TOT_DISP;

DATA TOTRES2; SET TOTRES1;
  DUMMY=1;


DATA COMB1;
  MERGE DRGBASE TOTRES2;
  BY DUMMY;
  PCTTOTDP = DISP/TOT_DISP * 100;
  PCTTOTDY = BEDDAYS/TOT_DAYS * 100;

  PROC SORT DATA=COMB1;
    BY DUMMY DESCENDING BEDDAYS;

  DATA OUTPUT;
    SET COMB1;
    BY DUMMY DESCENDING BEDDAYS;
    IF FIRST.DUMMY THEN DO;
       CUMDAY = 0;
       CUMDSP = 0;
    END;
    RETAIN CUMDAY CUMDSP;
    CUMDAY = CUMDAY + PCTTOTDY;
    CUMDSP = CUMDSP + PCTTOTDP;


PROC PRINT DATA=OUTPUT;
  VAR DRGTITLE DISP BEDDAYS ALOS
      PCTTOTDY PCTTOTDP CUMDAY CUMDSP;
  ID  DRG;
  TITLE1 '  ';
  TITLE2 '  ';
  TITLE3 '  ';
  TITLE4 'FY91 TOTAL ALL SERVICES';
  TITLE5 'TOTAL DISPOSITIONS AND BEDDAYS FOR EACH DRG';
  TITLE6 'SORTED ON DESCENDING BEDDAYS';
  TITLE7 '(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)';
  FOOTNOTE "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                  &SYSDATE";
  FOOTNOTE2 ' ';
  FORMAT
      PCTTOTDY   PCTWO.
      PCTTOTDP   PCTWO.
      CUMDAY     PCTWO.
      CUMDSP     PCTWO.;
```

EXHIBIT B-9: CROSS TABULATION QC PROGRAM

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//        TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
//        DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//        DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
  ********* PROGRAM NAME:  HAF.CON.VRI.TMR.CROSSTAB.PROG  *********;


  OPTIONS LINESIZE=175 NONUMBER NODATE
          PAGESIZE=45;


  DATA TEMP1;
    INFILE BIOIN;

    INPUT
      @14   EFLAG      $CHAR1.
      @204  CROFLAG    $CHAR1.
      @204  CLINAREA   $CHAR2.
      @402  DMISBENF   $CHAR3.
      @409  DMISSEX    $CHAR1.
      @410  DMISAGE    $CHAR1.
      @411  DMISDAYS        4.
      @502  DRG             3.
      @505  MDC        $CHAR2.
      @538  BASERWP         9.4
      @547  OUTRWP          9.4
      ;

    TOT_RWP = SUM(BASERWP,OUTRWP);
    TOT_DISP=1;
    IF (CROFLAG = 'E') OR ((EFLAG NE 'D') AND (EFLAG NE 'V'))
       THEN DELETE;
    IF (DRG EQ 469) OR (DRG EQ 470) THEN BAD_DISP=TOT_DISP;

  PROC SUMMARY NWAY DATA=TEMP1;
    CLASS DMISBENF;
    VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
    OUTPUT OUT=CH91BENF SUM= ;

  PROC SUMMARY NWAY DATA=TEMP1;
    CLASS MDC;
    VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
    OUTPUT OUT=CH91MDC SUM= ;
```

-- Continued --

EXHIBIT B-9: CROSS TABULATION QC PROGRAM

```
PROC SUMMARY NWAY DATA=TEMP1;
  CLASS CLINAREA;
  VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
  OUTPUT OUT=CH91CLN SUM= ;

PROC SUMMARY NWAY DATA=TEMP1;
  CLASS DMISSEX DMISAGE;
  VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
  OUTPUT OUT=CH91AGE SUM= ;

PROC PRINT DATA=CH91BENF;
  VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
  ID DMISBENF;
  TITLE1 '  ';
  TITLE2 '  ';
  TITLE3 'FY91 TOTAL ALL SERVICES';
  TITLE4 'TOTAL DISPOSITIONS, BAD DISPOSITIONS, TOTAL RWPS AND';
  TITLE5 'BED DAYS FOR EACH BENEFICIARY CATEGORY';
  FOOTNOTE1 "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                  &SYSDATE";
  FOOTNOTE2 '  ';


PROC PRINT DATA=CH91MDC;
  VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
  ID MDC;
  TITLE1 '  ';
  TITLE2 '  ';
  TITLE3 'FY91 TOTAL ALL SERVICES';
  TITLE4 'TOTAL DISPOSITIONS, BAD DISPOSITIONS, TOTAL RWPS AND';
  TITLE5 'BED DAYS FOR EACH MAJOR DIAGNOSTIC CATEGORY';
  FOOTNOTE1 "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                  &SYSDATE";
  FOOTNOTE2 '  ';


PROC PRINT DATA=CH91CLN;
  VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
  ID CLINAREA;
  TITLE1 '  ';
  TITLE2 '  ';
  TITLE3 'FY91 TOTAL ALL SERVICES';
  TITLE4 'TOTAL DISPOSITIONS, BAD DISPOSITIONS, TOTAL RWPS AND';
  TITLE5 'BED DAYS FOR EACH CLINICAL AREA';
  FOOTNOTE1 "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                  &SYSDATE";
  FOOTNOTE2 '  ';
```

-- Continued --

EXHIBIT B-9: CROSS TABULATION QC PROGRAM

```
PROC PRINT DATA=CH91AGE;
  VAR DMISSEX TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
  ID DMISAGE;
  TITLE1 '  ';
  TITLE2 '  ';
  TITLE3 'FY91 TOTAL ALL SERVICES';
  TITLE4 'TOTAL DISPOSITIONS, BAD DISPOSITIONS, TOTAL RWPS AND';
  TITLE5 'BED DAYS FOR EACH AGE-GENDER CATEGORY';
  FOOTNOTE1 "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                    &SYSDATE";
  FOOTNOTE2 '  ';
```

EXHIBIT B-10: LOS PERCENTILE PROGRAM

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//            TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
//        DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//        DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//WTIN    DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR
**********  PROGAM NAME: HAF.CON.VRI.TMR.LOSPCTQC.PROG  **********;

  OPTIONS PAGESIZE = 45 NONUMBER NODATE
          LINESIZE = 175;

  PROC FORMAT;
     PICTURE PCTWO LOW-HIGH='009.99%';


  DATA TEMP1;
    INFILE BIOIN;

    INPUT
        @392    DMISID      $CHAR4.
        @411    DMISDAYS          4. /* REC TOT BED/BASS DAYS */
        @502    DRG               3.
        ;
     PROC SORT;
       BY DRG;


   PROC UNIVARIATE DATA=TEMP1 NOPRINT;
     VAR DMISDAYS;
     BY DRG;
     OUTPUT OUT=LOSPTS1 N=DISP MEAN=ALOS STD=SD MIN=MINLOS
            MAX=MAXLOS P10=P10 Q1=P25 MEDIAN=P50 Q3=P75 P90=P90;

  PROC SORT DATA=LOSPTS1;
    BY DRG;

  DATA ADDNAME;
    MERGE LOSPTS1(IN=INLOS) WTIN.FY90;
      BY DRG;
      IF INLOS;
    CV = SD/ALOS;
    KEEP DRG DRGTITLE DISP P10 P25 P50 P75 P90 MINLOS MAXLOS
         ALOS SD CV;
```

-- Continued --

EXHIBIT B-10: LOS PERCENTILE PROGRAM

```
PROC PRINT DATA=ADDNAME;
  VAR DRGTITLE DISP P10 P25 P50 P75 P90 MINLOS MAXLOS
      ALOS SD CV;
  ID  DRG;
  TITLE1 ' ';
  TITLE2 ' ';
  TITLE3 ' ';
  TITLE4 'FY91 TOTAL ALL SERVICES';
  TITLE5 'TOTAL DISPOSITIONS AND LOS PERCENTILES FOR EACH DRG';
  FOOTNOTE "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                 &SYSDATE";
  FOOTNOTE2 ' ';
```

EXHIBIT B-11: LOS FREQUENCY PROGRAM

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//        TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
//        DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//        DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
  ********* PROGRAM NAME:  HAF.CON.VRI.TMR.LOSFRQQC.PROG  *********;

  OPTIONS  LINESIZE=175 NODATE NONUMBER
           PAGESIZE=45;


  DATA TEMP1;
    INFILE BIOIN;

    INPUT
      @14   EFLAG      $CHAR1.
      @204  CROFLAG    $CHAR1.
      @204  CLINAREA   $CHAR2.
      @402  DMISBENF   $CHAR3.
      @409  DMISSEX    $CHAR1.
      @410  DMISAGE    $CHAR1.
      @411  LOS        $CHAR4.
      @411  DMISDAYS        4.
      @502  DRG             3.
      @505  MDC        $CHAR2.
      @538  BASERWP         9.4
      @547  OUTRWP          9.4
      ;
    TOT_RWP = SUM(BASERWP,OUTRWP);
    TOT_DISP=1;
    IF (CROFLAG = 'E') OR ((EFLAG NE 'D') AND (EFLAG NE 'V'))
       THEN DELETE;
    IF (DRG EQ 469) OR (DRG EQ 470) THEN BAD_DISP=TOT_DISP;


  PROC SUMMARY NWAY DATA=TEMP1;
    CLASS LOS;
    VAR TOT_DISP BAD_DISP TOT_RWP DMISDAYS;
    OUTPUT OUT=TEMP2 SUM= ;

  DATA TEMP3; SET TEMP2;
    GOODDISP = TOT_DISP - BAD_DISP;
    CMI = TOT_RWP / GOODDISP;
```

-- Continued --

EXHIBIT B-11: LOS FREQUENCY PROGRAM

```
PROC PRINT DATA=TEMP3;
  VAR TOT_DISP BAD_DISP DMISDAYS TOT_RWP CMI;
  ID LOS;
  TITLE1 '  ';
  TITLE2 '  ';
  TITLE3 'LENGTH OF STAY FREQUENCIES';
  TITLE4 '(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)';
  FOOTNOTE1 "SOURCE:  DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                    &SYSDATE";
  FOOTNOTE2 ' ';
```

EXHIBIT B-12: RWP QC PROGRAM FOR EACH DRG

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//        TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
//        DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//        DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//WTIN    DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR
  ********* PROGRAM NAME:  HAF.CON.VRI.TMR.RWPDRGQC.PROG  *********;
  OPTIONS PAGESIZE = 45 NONUMBER NODATE
          LINESIZE = 175;
  OPTIONS MISSING = '0';

  PROC FORMAT;
    VALUE $ICAT
      "1" = "1"
      "2" = "2"
      "3" = "1"
      "4" = "1";

  PICTURE PCTWO LOW - <0 = '0009.99%' (PREFIX = '-')
                0 - HIGH = '0009.99%';

  DATA TEMP1;
    INFILE BIOIN;

    INPUT
        @14    EFLAG       $CHAR1.
        @204   CROFLAG     $CHAR1.
        @392   DMISID      $CHAR4.
        @502   DRG              3.
        @538   BASERWP          9.4
        @547   OUTRWP           9.4
        @556   OUTCAT      $CHAR1.
        @557   DRGICAT     $CHAR1.
        ;
  TOTRWP = SUM(BASERWP,OUTRWP);
  ICAT = PUT (DRGICAT,$ICAT.);
  IF (CROFLAG = 'E') OR ((EFLAG NE 'D') AND (EFLAG NE 'V'))
    THEN DELETE;

  PROC SUMMARY NWAY DATA=TEMP1;
    CLASS DRG OUTCAT ICAT;
    VAR TOTRWP;
    OUTPUT OUT=SUMMDRG1 N=DRG_DISP SUM=DRG_RWPS;
```

-- Continued --

EXHIBIT B-12: RWP QC PROGRAM FOR EACH DRG

```
DATA INRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '0');
  RENAME DRG_RWPS = INRWPS
         DRG_DISP = INDISP;
  DROP OUTCAT ICAT;


DATA SSRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '1');
  RENAME DRG_RWPS = SSRWPS
         DRG_DISP = SSDISP;
  DROP OUTCAT ICAT;


DATA LSRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '2');
  RENAME DRG_RWPS = LSRWPS
         DRG_DISP = LSDISP;
  DROP OUTCAT ICAT;


DATA TRRWP1; SET SUMMDRG1;
  IF (ICAT EQ '2');


PROC SUMMARY NWAY DATA=TRRWP1;
  CLASS DRG;
  VAR DRG_RWPS DRG_DISP;
  OUTPUT OUT=TRRWPS SUM=TRRWPS TRDISP;


DATA SUMMDRG;
  MERGE SSRWPS INRWPS LSRWPS TRRWPS;
    BY DRG;
  TOT_DISP = SUM(INDISP,SSDISP,LSDISP,TRDISP);
  TOT_RWPS = SUM(INRWPS,SSRWPS,LSRWPS,TRRWPS);


PROC SORT DATA=SUMMDRG;
  BY DRG;


DATA DRGBASE;
  MERGE SUMMDRG(IN=INDRG) WTIN.FY90;
    BY DRG; IF INDRG;
    KEEP DRG DRGTITLE INRWPS INDISP SSRWPS SSDISP
         LSRWPS LSDISP TRRWPS TRDISP TOT_RWPS TOT_DISP;
```

-- Continued --

EXHIBIT B-12: RWP QC PROGRAM FOR EACH DRG

```
PROC SORT DATA=DRGBASE;
  BY DRG DRGTITLE;

PROC SUMMARY NWAY DATA=DRGBASE;
  CLASS DRG DRGTITLE;
  VAR   INRWPS INDISP SSRWPS SSDISP
        LSRWPS LSDISP TRRWPS TRDISP TOT_RWPS TOT_DISP;
  OUTPUT OUT=TOTRES1 SUM=;

PROC SORT DATA=TOTRES1;
  BY DESCENDING TOT_RWPS;

PROC SUMMARY NWAY DATA=TOTRES1;
  VAR TOT_RWPS;
  OUTPUT OUT=TOTRES2 N=SUM_DISP SUM=SUM_RWPS;

DATA TOTRES3; SET TOTRES1;
  DUMMY=1;

DATA TOTRES4; SET TOTRES2;
  DUMMY=1;

DATA OUTPUT;
  MERGE TOTRES3 TOTRES4;
    BY DUMMY;
    RWPPCT = TOT_RWPS/SUM_RWPS * 100;

PROC SORT DATA=OUTPUT;
  BY DESCENDING TOT_RWPS;

PROC PRINT DATA=OUTPUT;
  VAR DRGTITLE SSDISP SSRWPS INDISP INRWPS LSDISP LSRWPS
      TRDISP TRRWPS TOT_DISP TOT_RWPS RWPPCT;
  ID  DRG;
  TITLE1 ' ';
  TITLE2 ' ';
  TITLE3 ' ';
  TITLE4 'FY91 TOTAL ALL SERVICES';
  TITLE5 'SHORT-STAY, INLIER, LONG-STAY, TRANSFER AND TOTAL';
  TITLE6 'DISPOSITIONS AND RWPS SORTED ON TOTAL RWPS FOR EACH DRG';
  TITLE7 '(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)';
  FOOTNOTE "SOURCE: DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                  &SYSDATE";
  FOOTNOTE2 ' ';
  FORMAT
      RWPPCT   PCTWO.
      ;
```

EXHIBIT B-13: RWP QC PROGRAM FOR EACH MTF

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//        TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
//        DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//        DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//WTIN    DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR
  ********* PROGRAM NAME:  HAF.CON.VRI.TMR.RWPMTFQC.PROG  *********;
  OPTIONS PAGESIZE = 45 NONUMBER NODATE
          LINESIZE = 175;
  OPTIONS MISSING = '0';

  PROC FORMAT;
    VALUE $ICAT
      "1" = "1"
      "2" = "2"
      "3" = "1"
      "4" = "1";

  PICTURE PCTWO LOW - <0 = '0009.99%' (PREFIX = '-')
                0 - HIGH = '0009.99%';


  DATA TEMP1;
    INFILE BIOIN;

    INPUT
        @14    EFLAG       $CHAR1.
        @204   CROFLAG     $CHAR1.
        @392   DMISID      $CHAR4.
        @401   SERVICE     $CHAR1.
        @502   DRG              3.
        @538   BASERWP          9.4
        @547   OUTRWP           9.4
        @556   OUTCAT      $CHAR1.
        @557   DRGICAT     $CHAR1.
        ;

  DISP=1;
  TOTRWP = SUM(BASERWP,OUTRWP);
  ICAT = PUT (DRGICAT,$ICAT.);
  IF (CROFLAG = 'E') OR ((EFLAG NE 'D') AND (EFLAG NE 'V'))
    THEN DELETE;
  IF (DRG EQ 469) OR (DRG EQ 470) THEN BADDISP=DISP;
```

-- Continued --

EXHIBIT B-13: RWP QC PROGRAM FOR EACH MTF

```
PROC SUMMARY NWAY DATA=TEMP1;
  CLASS DMISID OUTCAT ICAT;
  VAR TOTRWP DISP BADDISP;
  OUTPUT OUT=SUMMDRG1 SUM=DRG_RWPS DRG_DISP BADDISP;


DATA INRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '0');
  RENAME DRG_RWPS = INRWPS
         DRG_DISP = INDISP
         BADDISP = INBDISP;
  DROP OUTCAT ICAT;


DATA SSRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '1');
  RENAME DRG_RWPS = SSRWPS
         DRG_DISP = SSDISP
         BADDISP = SSBDISP;
  DROP OUTCAT ICAT;


DATA LSRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '2');
  RENAME DRG_RWPS = LSRWPS
         DRG_DISP = LSDISP
         BADDISP = LSBDISP;
  DROP OUTCAT ICAT;


DATA TRRWP1; SET SUMMDRG1;
  IF (ICAT EQ '2');


PROC SUMMARY NWAY DATA=TRRWP1;
  CLASS DMISID;
  VAR DRG_RWPS DRG_DISP BADDISP;
  OUTPUT OUT=TRRWPS SUM=TRRWPS TRDISP TRBDISP;


DATA SUMMDRG;
  MERGE SSRWPS INRWPS LSRWPS TRRWPS;
    BY DMISID;
  TOT_DISP = SUM(INDISP,SSDISP,LSDISP,TRDISP);
  BAD_DISP = SUM(INBDISP,SSBDISP,LSBDISP,TRBDISP);
  TOT_RWPS = SUM(INRWPS,SSRWPS,LSRWPS,TRRWPS);
```

-- Continued --

EXHIBIT B-13: RWP QC PROGRAM FOR EACH MTF

```
PROC SUMMARY NWAY DATA=SUMMDRG;
  CLASS DMISID;
  VAR   INRWPS INDISP SSRWPS SSDISP
        LSRWPS LSDISP TRRWPS TRDISP BAD_DISP TOT_RWPS TOT_DISP;
  OUTPUT OUT=TOTRES1 SUM=;


PROC SORT DATA=TOTRES1;
  BY DESCENDING TOT_RWPS;

PROC SUMMARY NWAY DATA=TOTRES1;
  VAR TOT_RWPS;
  OUTPUT OUT=TOTRES2 N=SUM_DISP SUM=SUM_RWPS;

DATA TOTRES3; SET TOTRES1;
  DUMMY=1;

DATA TOTRES4; SET TOTRES2;
  DUMMY=1;

DATA OUTPUT;
  MERGE TOTRES3 TOTRES4;
    BY DUMMY;
    RWPPCT = TOT_RWPS/SUM_RWPS * 100;

PROC SORT DATA=OUTPUT;
  BY DESCENDING TOT_RWPS;


PROC PRINT DATA=OUTPUT;
  VAR SSDISP SSRWPS INDISP INRWPS LSDISP LSRWPS
      TRDISP TRRWPS BAD_DISP TOT_DISP TOT_RWPS RWPPCT;
  ID  DMISID;
  TITLE1 ' ';
  TITLE2 ' ';
  TITLE3 ' ';
  TITLE4 'FY91 TOTAL ALL SERVICES';
  TITLE5 'SHORT-STAY, INLIER, LONG-STAY, TRANSFER AND TOTAL';
  TITLE6 'DISPOSITIONS AND RWPS SORTED ON TOTAL RWPS FOR EACH MTF';
  TITLE7 '(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)';
  FOOTNOTE "SOURCE: DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                  &SYSDATE";
  FOOTNOTE2 ' ';
  FORMAT
      RWPPCT   PCTWO.
      ;
```

EXHIBIT B-14: RWP QC PROGRAM FOR EACH SERVICE

```
//CSRTMR  JOB (RAMS),'VRI',CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
//        TIME=(10,0),NOTIFY=CSR
//        EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
//BIOIN   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR
//        DD DSN=HAF.CON.VRI.TMR.SIDR.NAVY.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//        DD DSN=HAF.CON.VRI.TMR.SIDR.USAF.CHAMPRWP.FY91,DISP=SHR,
//           UNIT=AFF=BIOIN
//WTIN    DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR
  ********* PROGRAM NAME:  HAF.CON.VRI.TMR.RWPSVCQC.PROG  *********;

  OPTIONS PAGESIZE = 45 NONUMBER NODATE
          LINESIZE = 175;
  OPTIONS MISSING = '0';

  PROC FORMAT;
    VALUE $ICAT
      "1" = "1"
      "2" = "2"
      "3" = "1"
      "4" = "1";

  PICTURE PCTWO LOW - <0 = '0009.99%' (PREFIX = '-')
                0 - HIGH = '0009.99%';


  DATA TEMP1;
    INFILE BIOIN;

    INPUT
        @14    EFLAG      $CHAR1.
        @204   CROFLAG    $CHAR1.
        @392   DMISID     $CHAR4.
        @401   SERVICE    $CHAR1.
        @502   DRG              3.
        @538   BASERWP          9.4
        @547   OUTRWP           9.4
        @556   OUTCAT     $CHAR1.
        @557   DRGICAT    $CHAR1.
        ;

  DISP=1;
  TOTRWP = SUM(BASERWP,OUTRWP);
  ICAT = PUT (DRGICAT,$ICAT.);
  IF (CROFLAG = 'E') OR ((EFLAG NE 'D') AND (EFLAG NE 'V'))
    THEN DELETE;
  IF (DRG EQ 469) OR (DRG EQ 470) THEN BADDISP=DISP;
```

-- Continued --

EXHIBIT B-14: RWP QC PROGRAM FOR EACH SERVICE

```
PROC SUMMARY NWAY DATA=TEMP1;
  CLASS SERVICE OUTCAT ICAT;
  VAR TOTRWP DISP BADDISP;
  OUTPUT OUT=SUMMDRG1 SUM=DRG_RWPS DRG_DISP BADDISP;


DATA INRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '0');
  RENAME DRG_RWPS = INRWPS
         DRG_DISP = INDISP
         BADDISP = INBDISP;
  DROP OUTCAT ICAT;


DATA SSRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '1');
  RENAME DRG_RWPS = SSRWPS
         DRG_DISP = SSDISP
         BADDISP = SSBDISP;
  DROP OUTCAT ICAT;


DATA LSRWPS; SET SUMMDRG1;
  IF (ICAT EQ '1') AND (OUTCAT EQ '2');
  RENAME DRG_RWPS = LSRWPS
         DRG_DISP = LSDISP
         BADDISP = LSBDISP;
  DROP OUTCAT ICAT;


DATA TRRWP1; SET SUMMDRG1;
  IF (ICAT EQ '2');


PROC SUMMARY NWAY DATA=TRRWP1;
  CLASS SERVICE;
  VAR DRG_RWPS DRG_DISP BADDISP;
  OUTPUT OUT=TRRWPS SUM=TRRWPS TRDISP TRBDISP;


DATA SUMMDRG;
  MERGE SSRWPS INRWPS LSRWPS TRRWPS;
    BY SERVICE;
  TOT_DISP = SUM(INDISP,SSDISP,LSDISP,TRDISP);
  BAD_DISP = SUM(INBDISP,SSBDISP,LSBDISP,TRBDISP);
  TOT_RWPS = SUM(INRWPS,SSRWPS,LSRWPS,TRRWPS);
```

-- Continued --

EXHIBIT B-14: RWP QC PROGRAM FOR EACH SERVICE

```
PROC SUMMARY NWAY DATA=SUMMDRG;
  CLASS SERVICE;
  VAR   INRWPS INDISP SSRWPS SSDISP
        LSRWPS LSDISP TRRWPS TRDISP BAD_DISP TOT_RWPS TOT_DISP;
  OUTPUT OUT=TOTRES1 SUM=;


PROC SORT DATA=TOTRES1;
  BY DESCENDING TOT_RWPS;

PROC SUMMARY NWAY DATA=TOTRES1;
  VAR TOT_RWPS;
  OUTPUT OUT=TOTRES2 N=SUM_DISP SUM=SUM_RWPS;

DATA TOTRES3; SET TOTRES1;
  DUMMY=1;

DATA TOTRES4; SET TOTRES2;
  DUMMY=1;

DATA OUTPUT;
  MERGE TOTRES3 TOTRES4;
    BY DUMMY;
    RWPPCT = TOT_RWPS/SUM_RWPS * 100;

PROC SORT DATA=OUTPUT;
  BY DESCENDING TOT_RWPS;


PROC PRINT DATA=OUTPUT;
  VAR SSDISP SSRWPS INDISP INRWPS LSDISP LSRWPS
      TRDISP TRRWPS BAD_DISP TOT_DISP TOT_RWPS RWPPCT;
  ID  SERVICE;
  TITLE1 ' ';
  TITLE2 ' ';
  TITLE3 ' ';
  TITLE4 'FY91 ALL SERVICES';
  TITLE5 'SHORT-STAY, INLIER, LONG-STAY, TRANSFER AND TOTAL';
  TITLE6 'DISPOSITIONS AND RWPS SORTED ON TOTAL RWPS';
  TITLE7 '(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)';
  FOOTNOTE "SOURCE: DEFENSE MEDICAL INFORMATION SYSTEMS (DMIS)
                                                  &SYSDATE";
  FOOTNOTE2 ' ';
  FORMAT
      RWPPCT   PCTWO.
      ;
```

APPENDIX C

The FY91 Army RWP attachment job log, and the FY91 Army RWP QC job log are presented in exhibits C-1 and C-2, respectively. Exhibits C-3 through C-10 contain a sample page of output generated from the trim point QC program, bedday QC program, cross tabulation QC program, length-of-stay percentile program, length-of-stay frequency program, RWP QC program for each DRG, RWP QC program for each MTF, and RWP QC program for each Service.

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

```
                    J E S 2  J O B  L O G  --  S Y S T E M  E S A P  --  N O D E  E S A P

16.38.48 JOB02287  IEF196I RX2DPC00 - USER CSR      LOGGED ON  VIA STC
16.38.48 JOB02287  RX2DPC00 - USER CSR      LOGGED ON  VIA STC
16.38.48 JOB02287  IEF196I RX1DPC99 - USER CSR      LOGGED OFF VIA STC
16.38.48 JOB02287  RX1DPC99 - USER CSR      LOGGED OFF VIA STC
18.00.01 JOB02287  IEF677I WARNING MESSAGE(S) FOR JOB CSRTMRA  ISSUED
18.00.01 JOB02287  ICH70001I CSR      LAST ACCESS AT 16:53:54 ON MONDAY,APRIL 13, 1992
18.00.01 JOB02287  RX2DPC00 - USER CSR      LOGGED ON  JES/INIT
18.00.01 JOB02287  $HASP373 CSRTMRA  STARTED - INIT  9 - CLASS A - SYSESAP
18.00.01 JOB02287  IEF403I CSRTMRA - STARTED - TIME=18.00.01
18.00.02 JOB02287 *IEF233A M F91,001788,,CSRTMRA,SAS606,
                   HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA
18.00.02 JOB02287 *TMS002  IEF233A M F93,MVSSCR,SL,CSRTMRA,SAS606,HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
18.04.47 JOB02287  IEC502E KF91,001788,SL,CSRTMRA,SAS606,HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA
18.04.47 JOB02287 *IEC501A MF91,000383,SL,6250 BPI,CSRTMRA,SAS606,HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA
19.49.37 JOB02287  IECTMS9 F93,003486,CSRTMRA ,BIOOUT  ,99000,001,RMY.CHAMPRWP.FY91
19.49.39 JOB02287  IEC705I TAPE ON F93,003486,SL,6250BPI,CSRTMRA,SAS606,HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
19.57.14 JOB02287  IEC502E KF93,003486,SL,CSRTMRA,SAS606,HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
19.57.14 JOB02287 *TMS002  IEC501A M F93,MVSSCR,SL,6250BPI,CSRTMRA,SAS606,HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
19.57.53 JOB02287  IECTMS6E F93,006923,IS APPROVED FOR DENSITY CHANGE
19.57.54 JOB02287  IECTMS9 F93,006923,CSRTMRA ,BIOOUT  ,99000,001,RMY.CHAMPRWP.FY91
19.57.56 JOB02287  IEC705I TAPE ON F93,006923,SL,6250 BPI,CSRTMRA,SAS606,HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
20.02.47 JOB02287  IEF234E K F91,000383,PVT,CSRTMRA,SAS606
20.02.47 JOB02287  IEF234E K F93,006923,PVT,CSRTMRA,SAS606
20.02.48 JOB02287  -                                          --TIMINGS (MINS.)--            ----PAGING COUNTS---
20.02.48 JOB02287  -JOBNAME  STEPNAME PROCSTEP    RC   EXCP   CONN   TCB    SRB  CLOCK   SERV  PG  PAGE  SWAP   VIO SWAPS
20.02.48 JOB02287  -CSRTMRA  SAS606              00   481K  3142K 11.11   1.25  122.7 19763K   4     0     0     0     0
20.02.48 JOB02287  IEF404I CSRTMRA - ENDED - TIME=20.02.48
20.02.48 JOB02287  -CSRTMRA  ENDED.  NAME-TINA RITTER          TOTAL TCB CPU TIME= 11.11  TOTAL ELAPSED TIME= 122.7
20.02.48 JOB02287  $HASP395 CSRTMRA  ENDED
------ JES2 JOB STATISTICS ------
    13 APR 92 JOB EXECUTION DATE
         648 CARDS READ
       1,216 SYSOUT PRINT RECORDS
           0 SYSOUT PUNCH RECORDS
          72 SYSOUT SPOOL KBYTES
      122.78 MINUTES EXECUTION TIME
       1 //CSRTMRA  JOB (RAMS,,,,,,,),'TINA RITTER',
       JOB02287
         //        CLASS=F,MSGCLASS=X,MSGLEVEL=(1,1),
         //        NOTIFY=CSR,PASSWORD=(),TIME=(20,0),
```

-- Continued --

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

```
         //       USER=CSR
         ***JOBPARM LINES=25
           3.
         ***ROUTE  PRINT RMT20
         ***ROUTE  PUNCH RMT20
       2 //       EXEC SAS606,WORK='100,100',SORT=10,REGION=4096K
           4.
       3 XXSAS606  PROC ENTRY=SASXA1,
         XX             PRODFIX='SYS2.SAS606',
         XX             CONFIG=NULLFILE,
         XX             OPTIONS=,
         XX             SORT=4,
         XX             WORK='10,5'

****************************************************************************          ***  PRODUCT: MVS SAS RELEASE 6.06
    ***          ***  DOCUMENTATION: SAS COMPANION FOR THE MVS ENVIRONMENT, V6
    ***          ***  FROM: SAS INSTITUTE INC., BOX 8000, CARY, NC  27512-8000
    ***
****************************************************************************
       4 XXSAS606   EXEC PGM=&ENTRY,PARM='&OPTIONS
SORT=&SORT',REGION=4096K,   X
         IEF653I SUBSTITUTION JCL - PGM=SASXA1,PARM='
SORT=10',REGION=4096K,
         XX    PERFORM=4
       5 XXSTEPLIB   DD DISP=SHR,DSN=&PRODFIX..MAINT.LIBRARY
         IEF653I SUBSTITUTION JCL -
DISP=SHR,DSN=SYS2.SAS606.MAINT.LIBRARY
       6 XX          DD DISP=SHR,DSN=&PRODFIX..LIBRARY
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.LIBRARY
       7 XX          DD DISP=SHR,DSN=SYS2.SAS.MLOGIT21
       8 XX          DD DISP=SHR,DSN=SYS2.ADABAS.V5.LOAD
       9 XX          DD DISP=SHR,DSN=SYS2.SAS518.ADA110.LIBRARY
      10 XXCONFIG    DD DISP=SHR,DSN=&PRODFIX..CNTL(BATCHXA)
         IEF653I SUBSTITUTION JCL -
DISP=SHR,DSN=SYS2.SAS606.CNTL(BATCHXA)
      11 XX          DD DISP=SHR,DSN=&CONFIG
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=NULLFILE
      12 XXSASAUTOS  DD DISP=SHR,DSN=&PRODFIX..AUTOLIB
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.AUTOLIB
      13 XXSASHELP   DD DISP=SHR,DSN=&PRODFIX..SASHELP
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.SASHELP
      14 XXSASMSG    DD DISP=SHR,DSN=&PRODFIX..SASMSG
```

-- Continued --

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

```
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.SASMSG
       15 XXWORK      DD UNIT=SYSDA,SPACE=(CYL,(&WORK),,,ROUND)
         IEF653I SUBSTITUTION JCL -
UNIT=SYSDA,SPACE=(CYL,(100,100),,,ROUND)
       16 XXSASLOG    DD SYSOUT=*
       17 XXSASLIST   DD SYSOUT=*
       18 XXSASPARM   DD UNIT=SYSDA,SPACE=(400,(100,300)),
          XX             DCB=(RECFM=FB,LRECL=80,BLKSIZE=400,BUFNO=1)
          ***SYSUDUMP DD SYSOUT=*
          ****  ADD A LINE LIKE THE FOLLOWING TO CREATE A MACHINE-READABLE DUMP
          ***SYSMDUMP DD DSN=DUMP,UNIT=SYSDA,DISP=(NEW,CATLG),SPACE=(TRK,(20,5))
       19 //BIOIN    DD DSN=HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA,DISP=SHR            5.
       20 //WTIN     DD DSN=HAF.CON.VRI.TMR.CHAMPUS.TRIMPTS.VERS8.SDS,DISP=SHR       6.
       21 //                7.
       22 //BIOOUT   DD DSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,               8.
          ***             DISP=(NEW,DELETE),                                      9.
          //              DISP=(NEW,CATLG,DELETE),                               10.
          //              LABEL=(1,SL,,,EXPDT=99000),                            11.
          ***             LABEL=(1,SL),                                          12.
          //              UNIT=TAPE,                                             13.
          //              DCB=(LRECL=558,RECFM=FB,BLKSIZE=23436)                 14.
       23 //SYSIN      DD *                  GENERATED STATEMENT
 STMT NO. MESSAGE
-
    4      FDT100I           SAS606   TAPES=      2 PACKS=      0 REGION=
4096K
          FDT104I NO JOB CLASS REQUESTED ON JOB CARD OR INVALID JOB CLASS REQUESTED
          FDT101I CLASS SET TO A (USER=CSR,ACCOUNT=RAMS,BOX=0000,JOBNAME=CSRTMRA )
 STMT NO. MESSAGE
-
       22 IEF604I EXPDT SUBPARAMETER OF LABEL KEYWORD SPECIFIES ZERO DAYS VALUE
ICH70001I CSR      LAST ACCESS AT 16:53:54 ON MONDAY, APRIL 13, 1992
RX2DPC00 - USER CSR      LOGGED ON  JES/INIT
IEF236I ALLOC. FOR CSRTMRA SAS606
IEF237I 367  ALLOCATED TO STEPLIB
IEF237I 367  ALLOCATED TO
IEF237I 129  ALLOCATED TO
IEF237I 481  ALLOCATED TO
IEF237I 481  ALLOCATED TO
IEF237I 367  ALLOCATED TO CONFIG
IEF237I DMY  ALLOCATED TO
IEF237I 367  ALLOCATED TO SASAUTOS
```

-- Continued --

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

```
IEF237I 367  ALLOCATED TO SASHELP
IEF237I 367  ALLOCATED TO SASMSG
IEF237I 490  ALLOCATED TO WORK
IEF237I JES2 ALLOCATED TO SASLOG
IEF237I JES2 ALLOCATED TO SASLIST
IEF237I 491  ALLOCATED TO SASPARM
IEF237I F91  ALLOCATED TO BIOIN
IEF237I 4A0  ALLOCATED TO WTIN
IEF237I 4A0  ALLOCATED TO SASLIB
IEF237I F93  ALLOCATED TO BIOOUT
IEF237I JES2 ALLOCATED TO SYSIN
IEF237I 367  ALLOCATED TO SYS00001
IEF285I   SYS2.SAS606.CNTL                          KEPT
IEF285I   VOL SER NOS= SYS006.
IEF237I JES2 ALLOCATED TO SYSOUT
IEF237I 495  ALLOCATED TO SASSWK03
IEF237I 495  ALLOCATED TO SASSWK02
IEF237I 495  ALLOCATED TO SASSWK01
IEF142I CSRTMRA SAS606 - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS2.SAS606.MAINT.LIBRARY                 KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.LIBRARY                       KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS.MLOGIT21                         KEPT
IEF285I   VOL SER NOS= SYS003.
IEF285I   SYS2.ADABAS.V5.LOAD                       KEPT
IEF285I   VOL SER NOS= SYS009.
IEF285I   SYS2.SAS518.ADA110.LIBRARY                KEPT
IEF285I   VOL SER NOS= SYS009.
IEF285I   SYS2.SAS606.CNTL                          KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.AUTOLIB                       KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.SASHELP                       KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.SASMSG                        KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS92104.T180001.RA000.CSRTMRA.R0000001   DELETED
IEF285I   VOL SER NOS= WRK490.
IEF285I   CSR.CSRTMRA.JOB02287.D0000102.?           SYSOUT
IEF285I   CSR.CSRTMRA.JOB02287.D0000103.?           SYSOUT
IEF285I   SYS92104.T180001.RA000.CSRTMRA.R0000002   DELETED
```

-- Continued --

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

```
IEF285I   VOL SER NOS= WRK491.
IEF285I   HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA         KEPT
IEF285I   VOL SER NOS= 001788,000383.
IEF285I   CSR.CHTRIMPT.FY90V8.SD2                      KEPT
IEF285I   VOL SER NOS= USER21.
IEF285I   HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91      CATALOGED
IEF285I   VOL SER NOS= 003486,006923.
IEF285I   CSR.CSRTMRA.JOB02287.D0000101.?              SYSIN
IEF285I   CSR.CSRTMRA.JOB02287.D0000104.?              SYSOUT
IEF285I   SYS92104.T180716.RA000.CSRTMRA.R0000001      DELETED
IEF285I   VOL SER NOS= USR495.
IEF285I   SYS92104.T180717.RA000.CSRTMRA.R0000002      DELETED
IEF285I   VOL SER NOS= USR495.
IEF285I   SYS92104.T180718.RA000.CSRTMRA.R0000003      DELETED
IEF285I   VOL SER NOS= USR495.
IEF373I STEP /SAS606  / START 92104.1800
IEF374I STEP /SAS606  / STOP  92104.2002 CPU   11MIN 06.96SEC SRB
1MIN 15.55SEC VIRT  1884K SYS   248K EXT    7220K SYS    9156K
IEF375I  JOB /CSRTMRA / START 92104.1800
IEF376I  JOB /CSRTMRA / STOP  92104.2002 CPU   11MIN 06.96SEC SRB
1MIN 15.55SEC
1                                                    THE SAS
SYSTEM                              18:00 MONDAY, APRIL 13, 1992

NOTE: COPYRIGHT(C) 1989 BY SAS INSTITUTE INC., CARY, NC USA.
NOTE: SAS (R) PROPRIETARY SOFTWARE RELEASE 6.06.01
      LICENSED TO FT. DETRICK DATA PROCESSING CENTER, SITE 0001608001.

NOTE: RUNNING ON IBM MODEL 3090 SERIAL NUMBER 114434,
                 IBM MODEL 3090 SERIAL NUMBER 214434.


+----------------------- PLEASE NOTE ------------------------------+
+ HUNDREDS OF FIXES WERE APPLIED 4/30/91 TO SAS VERSION 6.06.     +
+ CONTACT THE INFORMATION CENTER AT (301) 663-2081 OR AV 343-2081 +
+ IF YOU HAVE QUESTIONS.                                          +
+-----------------------------------------------------4/30/91-+

NOTE: THE SASUSER LIBRARY WAS NOT SPECIFIED. SASUSER LIBRARY WILL NOW BE
THE SAME AS THE WORK LIBRARY.
NOTE: ALL DATA SETS AND CATALOGS IN THE SASUSER LIBRARY WILL BE DELETED
AT THE END OF THE SESSION.  USE THE NOWORKTERM OPTION TO
```

-- Continued --

```
     PREVENT THEIR DELETION.

NOTE: SAS SYSTEM OPTIONS SPECIFIED ARE:
       SORT=10

NOTE: THE INITIALIZATION PHASE USED 0.19 CPU SECONDS AND 2254K.
1          ******  PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPARMY.PROG91 ******;
2
3
/*================================================================
4             BASIC STRUCTURE OF PROGRAM:
5               I.  READ ENTIRE BIOMETRICS FILE INTO SAS DATASET.
6              II.  SET UP A TEMPORARY SAS DATASET WITH FIELDS NECESSARY TO
7                   COMPUTE RWPS, SET UP FLAGS, AND COMPUTE TABULATIONS.
8             III.  MERGE WITH DRG DATASET CONTAINING DRG WEIGHT, GLOS, HI_CUT,
9                   LO_CUT.
10             IV.  PROCESSING:
11                  A.  SET TRANSFER STATUS FLAG
13                  B.  COMPUTE RWPS
14                      1.  SET OUTLIER STATUS FLAG
15              V.  PRINT REPORTS
16             VI.  SORT BY MTF CODE AND PATIENT REGISTER NUMBER (BOTH ASCENDING)
17            VII.  MERGE IN FINAL SAS DATA SET (ON TAPE).
18           VIII.  WRITE FLAT FILE TO TAPE.
19
================================================================*/
20
21
/*================================================================
22             I.  CREATE SAS DATASET, READ BIOMETRICS DATA INTO IT.
23
================================================================*/
24
25          /****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 1 ************/
26          /*  VERIFY THAT BIOMETRICS INPUT FILE LAYOUT MATCHES THAT BELOW.  */
27          /*    IF NOT, EDIT THE INPUT STATEMENTS TO MATCH THE BIOMETRICS   */
28          /*    FILE LAYOUT.                                                */
29          /*  CHANGE TITLE STATEMENT TO REFLECT CURRENT YEAR AND QUARTER.   */
30         /*****************************************************************/
31
32          TITLE 'FY91 ARMY RWP ATTACHMENT PROGRAM';
33
```

-- Continued --

```
33          DATA TEMP1;
34            INFILE BIOIN;
35
2                                                    THE SAS
SYSTEM                              18:00 MONDAY, APRIL 13, 1992

36            INPUT
37                @1      PRN         $CHAR7. /* PATIENT REGISTER NUMBER */
38                @8      MTFCODE     $CHAR6. /* REPORTING MTF */
39                @14     STRING1     $CHAR13.
40                @27     DX1         $CHAR8. /* DIAGNOSIS #1 */
41                @35     STRING2     $CHAR100.
42                @135    STRING3     $CHAR38.
43                @173    ADMSRC      $CHAR1. /* SOURCE OF ADMISSION */
44                @174    DISPDATE    $CHAR6. /* DATE OF DISPOSITION */
45                @180    STRING4     $CHAR100.
46                @280    STRING5     $CHAR100.
47                @380    STRING6     $CHAR12.
48                @392    DMISID      $CHAR4.
49                @396    STRING7     $CHAR6.
50                @402    DMISBENF    $CHAR3. /* DMIS BENEFICIARY CATEGORY */
51                @405    STRING8     $CHAR6.
52                @411    DMISDAYS        4. /* REC TOT BED/BASS DAYS */
53                @415    STRING9     $CHAR13.
54                @428    RECDISP     $CHAR2. /* RECODED DISP STATUS */
55                @502    DRG             3.
56                @505    MDC         $CHAR2.
57                @507    STRING10    $CHAR31.
58                ;
59

NOTE: THE INFILE BIOIN IS:
      DSNAME=HAF.CON.VRI.MYT.ARMY.G123491.SIDR.VA,
      UNIT=3400,VOLUME=001788,DISP=SHR,BLKSIZE=32364,
      LRECL=558,RECFM=FB
NOTE: 395673 RECORDS WERE READ FROM THE INFILE BIOIN.
NOTE: THE DATA SET WORK.TEMP1 HAS 395673 OBSERVATIONS AND 21 VARIABLES.
NOTE: THE DATA STATEMENT USED 46.41 CPU SECONDS AND 2971K.

59            PROC SORT;
60              BY MTFCODE PRN;
61
```

-- Continued --

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

```
62
/*================================================================
63              II.  SET UP TEMPORARY SAS DATA SET WITH ONLY VARIABLES
64                   NEEDED FOR RWP PROCESSING AND SETTING FLAGS.
65
================================================================*/
66
67

NOTE: 174 CYLINDERS DYNAMICALLY ALLOCATED ON 3380 FOR EACH OF 3 SORT
WORK DATA SETS.
NOTE: Host SORT WAS USED.
NOTE: THE DATA SET WORK.TEMP1 HAS 395673 OBSERVATIONS AND 21 VARIABLES.
NOTE: THE PROCEDURE SORT USED 28.52 CPU SECONDS AND 3013K.

67            DATA ONE;
68              SET TEMP1 (KEEP=MTFCODE PRN DX1 DMISDAYS DRG RECDISP ADMSRC
69                               DMISID DMISBENF MDC);
70

NOTE: THE DATA SET WORK.ONE HAS 395673 OBSERVATIONS AND 10 VARIABLES.
NOTE: THE DATA STATEMENT USED 13.39 CPU SECONDS AND 3073K.

70            PROC SORT;
71              BY DRG;
3                                                       THE SAS
SYSTEM                                 18:00 MONDAY, APRIL 13, 1992

72
73
/*================================================================
74              III.  MERGE WITH DRG DATASET CONTAINING DRG WEIGHT, GLOS, HI_CUT,
75                    LO_CUT.
76
================================================================*/
77
78          *-------------DRG RELATIVE WEIGHTS AND OUTLIER CUTOFFS---------------*
79          *                                                                    *
80          * SELECT SAS DATASET CONTAINING RELATIVE WEIGHTS TO BE USED IN RWP   *
81          * CALCULATIONS.  THIS DATASET MUST CONTAIN THE RELATIVE WEIGHT (IN   *
82          * THIS CASE CHMPWT), GEOMETRIC MEAN LENGTH OF STAY (GLOS) AND SHORT  *
83          * AND LONG STAY OUTLIER CUTOFFS (LO_CUT AND HI_CUT) FOR EACH DRG.    *
```

-- Continued --

```
84        *-------------------------------------------------------------------*;
85
86          /****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 2 ************/
87          /* CHANGE 'DODV8WT' TO NAME OF VARIABLE CONTAINING DRG WEIGHTS    */
88          /*   IN THE FILE CONTAINING THE APPROPRIATE DRG WEIGHTS, GLOS, AND*/
89          /*   TRIM POINTS.                                                 */
90          /* VERIFY THAT THE LIBRARY REFERENCE (FY90) IS CORRECT FOR        */
91          /*   THE CURRENT FILE OF DRG WEIGHTS, GLOS, AND TRIM POINTS.      */
92          /* VERIFY THAT CURRENT OUTLIER CREDITING POLICY IS CORRECTLY      */
93          /*   IMPLEMENTED:  2.0 MEANS 200 PERCENT PER DIEM (SHORT STAYS)   */
94          /*   0.6 MEANS 60 PERCENT PER DIEM (LONG STAYS)                   */
95          /*******************************************************************/
96

NOTE: Host SORT WAS USED.
NOTE: THE DATA SET WORK.ONE HAS 395673 OBSERVATIONS AND 10 VARIABLES.
NOTE: THE PROCEDURE SORT USED 16.17 CPU SECONDS AND 3073K.

97          DATA WEIGHTS;SET WTIN.FY90(KEEP=DRG DODV8WT CH_GLOS CHLOCUT CHHICUTA);
98           SS_FAC=2.0;
99           LS_FAC=0.6;
100          RENAME DODV8WT = CHMPWT;
101          PD_WT=ROUND((DODV8WT/CH_GLOS),.0001);
102          SS_WT=ROUND((PD_WT*SS_FAC),.0001);
103          LS_WT=ROUND((PD_WT*LS_FAC),.0001);
104
105

NOTE: MISSING VALUES WERE GENERATED AS A RESULT OF PERFORMING AN OPERATION ON MISSING VALUES.
      EACH PLACE IS GIVEN BY: (NUMBER OF TIMES) AT (LINE):(COLUMN).
      15 AT 101:8    15 AT 101:22   15 AT 102:8    15 AT 102:20   15 AT
103:8    15 AT 103:20
NOTE: THE DATA SET WORK.WEIGHTS HAS 529 OBSERVATIONS AND 10 VARIABLES.
NOTE: THE DATA STATEMENT USED 0.11 CPU SECONDS AND 3114K.

105          DATA START;
106            MERGE ONE(IN=INB) WEIGHTS;
107            BY DRG;
108            IF INB;
109
110
/*=================================================================
```

-- Continued --

```
111           IV.  BEGIN PROCESSING INDIVIDUAL BIOMETRICS RECORDS.
112
================================================================*/
113
114
/*================================================================
123           IV.B.  SET TRANSFER STATUS FLAG.
124
================================================================*/
125
126          ORGICAT = '1';
127          IF ((RECDISP = '02') OR (RECDISP = '2 ')) THEN DO;
128            IF ((ADMSRC = '4') OR
129                (ADMSRC = '5') OR
130                (ADMSRC = '6') OR
131                (ADMSRC = '7') OR
132                (ADMSRC = '8') OR
133                (ADMSRC = '9') OR
134                (ADMSRC = 'T')) THEN DO;
135                  ORGICAT = '3';
136            END;
137
138            IF ((ADMSRC = '0') OR
139                (ADMSRC = '1') OR
140                (ADMSRC = '2') OR
141                (ADMSRC = '3') OR
142                (ADMSRC = 'L') OR
143                (ADMSRC = 'C')) THEN DO;
144                  ORGICAT = '2';
145            END;
146          END;
147
148          IF ((RECDISP NE '02') AND (RECDISP NE '2 ')) THEN DO;
149            IF ((ADMSRC = '4') OR
150                (ADMSRC = '5') OR
151                (ADMSRC = '6') OR
152                (ADMSRC = '7') OR
153                (ADMSRC = '8') OR
154                (ADMSRC = '9') OR
155                (ADMSRC = 'T')) THEN
156                  ORGICAT = '4';
157          END;
```

-- Continued --

```
158
159       *------------------INITIALIZE COUNT VARIABLES----------------------*
160       |                                                                  |
161       |  INITIALIZE ALL COUNT AND RWP VARIABLES TO ZERO.  NOTE THAT IN ALL |
162       |  THESE VARIABLES, THE FOLLOWING ABBREVIATIONS APPLY:             |
163       |                                                                  |
164       |           SS = SHORT STAY      LSB = LONG STAY BASE CREDIT       |
165       |           LS = LONG STAY       LSO = LONG STAY OUTLIER CREDIT    |
166       |           TR = TRANSFER        TRB = TRANSFER BASE CREDIT        |
167       |           IN = INLIER          TRO = TRANSFER OUTLIER CREDIT     |
168       |           BAD= DRG 469/470                                       |
169       |                                                                  |
170       *------------------------------------------------------------------*;
171
172       BBDAYS=DMISDAYS;
173         IF DMISDAYS=0 THEN BBDAYS=1;
174
5                                                    THE SAS
SYSTEM                              18:00 MONDAY, APRIL 13, 1992

175       /*================================================================
176          IV.C. COMPUTE RWPS FOR EACH BIOMETRICS RECORD.  IN THE COURSE
177                OF THIS PROCESS, THE OUTLIER STATUS FLAG WILL BE SET AS
178                WELL.
179       ================================================================*/
180
181       OUTCAT='0';
182
183       SSCOUNT=0;
184       LSCOUNT=0;
185       INCOUNT=0;
186       TRIICNT=0;
187       TRISCNT=0;
188       TRILCNT=0;
189       TRIOICNT=0;
190       TRIOSCNT=0;
191       TRIOLCNT=0;
192       TROICNT=0;
193       TROSCNT=0;
194       TROLCNT=0;
195       BADCOUNT=0;
196       TRIO1ICT=0;
```

-- Continued --

```
197         RWP=0;
198         BASERWP=0;
199         OUTRWP=0;
200         IN_RWP=0;
201         SS_RWP=0;
202         LSB_RWP=0;
203         LS_RWP=0;
204         LSO_RWP=0;
206         TRIIRWP=0;
207         TRISRWP=0;
208         TRIBRWP=0;
209         TRILRWP=0;
210         TRIOIRWP=0;
211         TRIOSRWP=0;
212         TRIOBRWP=0;
213         TRIOLRWP=0;
214         TROIRWP=0;
215         TROSRWP=0;
216         TROBRWP=0;
217         TROLRWP=0;
218
219         SELECT;
220
221         *------------------------DRGS 469 AND 470---------------------------*
222         *                                                                   *
223         | PROCESS DRGS 469 AND 470 SEPARATELY, GIVING ZERO RWP CREDIT AND  |
224         | SETTING BADCOUNT EQUAL TO 1.                                     |
225         *-------------------------------------------------------------------*;
226
227           WHEN (DRG=469 OR DRG=470) DO;
228             RWP=0;
229             BADCOUNT=1;
230             END;
231
232           /****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 3 ************/
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233           /* DETERMINE WHETHER THE DRGS LISTED BELOW, OR ANY OTHER DRGS     */
234           /*   SHOULD BE HANDLED IN AN EXCEPTIONAL MANNER, SPECIFICALLY,    */
235           /*   IN THE MANNER OUTLINED IN THE BOX IMMEDIATELY BELOW THIS     */
236           /*   ONE.                                                         */
```

-- Continued --

```
237         /*************************************************************/
238
239       *--------- DRGS 456, 600, 601, 603, 605, AND 608 ---------------*
240       |                                                               |
241       | PROCESS DRGS 600, 601, 603, 605, AND 608 AND DRG 456 (EXTEN-  |
242       | SIVE BURNS TRANSFERED SEPARATELY.  IF NOT A LONG STAY OUTLIER,|
243       | GIVE FULL DRG CREDIT (CHMPWT).  IF A LONG STAY OUTLIER, GIVE FULL |
244       | DRG CREDIT PLUS LONG STAY PERDIEM CREDIT (LS_WT) FOR ALL DAYS OVER |
245       | THE LONG STAY CUTOFF POINT (CHHICUTA).                        |
246       *---------------------------------------------------------------*;
247
248         WHEN (DRG=456 OR DRG=600 OR DRG=601 OR DRG=603 OR DRG=605
249                OR DRG=608) DO;
250           SELECT;
251             WHEN (BBDAYS LE CHHICUTA) DO;
252               RWP=CHMPWT;
253               BASERWP=RWP;
254               IN_RWP=RWP;
255               INCOUNT=1;
256             END;
257             WHEN (BBDAYS GT CHHICUTA) DO;
258               OUTCAT='2';
259               LSB_RWP=CHMPWT;
260               LSO_RWP=LS_WT*(BBDAYS-CHHICUTA);
261               RWP=LSB_RWP+LSO_RWP;
262               BASERWP=LSB_RWP;
263               OUTRWP=LSO_RWP;
264               LS_RWP=RWP;
265               LSCOUNT=1;
266             END; /* WHEN */
267           END; /* SELECT */
268         END; /* WHEN DRG=456 OR 600'S */
269
270       OTHERWISE DO;
271
272       *  ------------------------------------------------------------ ---*
273       | FOR REMAINING DRGS, WORKLOAD CREDIT DEPENDS UPON              |
274       | DRGICAT (1, 2, 3, OR 4)                                       |
275       *---------------------------------------------------------------*;
276
277           SELECT (DRGICAT);
278
```

-- Continued --

```
279        *-------------------- DRGICAT = 1 RECORDS ---------------------*
280        ?                                                              ?
281        | FOR DRGICAT=1 (DIRECT IN, DISCHARGE OUT) GIVE SHORT STAY, INLIER,  |
282        | OR LONG STAY CREDIT DEPENDING UPON LENGTH OF STAY AND CUT POINTS.  |
283        *----------------------------------------------------------------*;
284
285             WHEN ('1') DO;
286
287        *----------------------------------------------------------------*
288        | FOR INLIER CASES, GIVE FULL DRG CREDIT (CHMPWT)                |
289        *----------------------------------------------------------------*;
290
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291             SELECT;
292
293                  WHEN (CHLOCUT LE BBDAYS LE CHHICUTA) DO;
294                    RWP=CHMPWT;
295                    IN_RWP=RWP;
296                    BASERWP=RWP;
297                    INCOUNT=1;
298                  END;
299
300        *----------------------------------------------------------------*
301        | FOR SHORT STAY OUTLIERS (BBDAYS < CHLOCUT) GIVE RWP CREDIT AS THE  |
302        | LESSER OF SHORT STAY PER DIEM OR FULL DRG CREDIT (CHMPWT).         |
303        *----------------------------------------------------------------*;
304
305                  WHEN (BBDAYS LT CHLOCUT) DO;
306                    OUTCAT='1';
307                    RWP=MIN(BBDAYS*SS_WT,CHMPWT);
308                    SS_RWP=RWP;
309                    BASERWP=RWP;
310                    SSCOUNT=1;
311                  END;
312
313        *----------------------------------------------------------------*
314        | FOR LONG STAY OUTLIERS, GIVE FULL DRG CREDIT (CHMPWT) PLUS LONG    |
315        | STAY PER DIEM CREDIT (LS_WT) FOR ALL DAYS OVER THE LONG STAY CUT   |
316        | OFF POINT (CHHICUTA).                                              |
317        *----------------------------------------------------------------*;
```

-- Continued --

```
318
319                WHEN (BBDAYS GT CH  CUTA) DO.
320                  OUTCAT='2';
321                  LSB_RWP=CHMPWT;
322                  LSO_RWP=LS_WT*(BBDAYS-CHHICUTA);
323                  RWP = SUM(LSB_RWP,LSO_RWP);
324                  LS_RWP=RWP;
325                  BASERWP=LSB_RWP;
326                  OUTRWP=LSO_RWP;
327                  LSCOUNT=1;
328                END; /* WHEN LONGSTAY */
329              END;    /* SELECT */
330            END;     /* WHEN DRGICAT = 1 */
331
332        *-----------------------DRGICAT = 2 RECORDS-------------------------*
333        ?                                                                   ?
334        | FOR DRGICAT=2 (DIRECT IN, TRANSFER OUT), GIVE PER DIEM (PD_WT)   |
335        | UP TO FULL DRG WEIGHT.  IF CASE IS A LONG STAY OUTLIER, GIVE FULL |
336        | DRG CREDIT PLUS LS PER DIEM (LS_WT) FOR DAYS ABOVE LONG STAY CUT. |
337        *-------------------------------------------------------------------*;
338
339             WHEN ('2') DO;
340
341               SELECT;
342
343        *-------------------------------------------------------------------*
344        | LENGTH OF STAY NOT GREATER THAN LONG STAY OUTLIER CUTOFF          |
345        *-------------------------------------------------------------------*;
346
347                WHEN (BBDAYS LE CHHICUTA) DO;
348                  RWP=MIN(CHMPWT,BBDAYS*PD_WT);
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349                  TROIRWP=RWP;
350                  BASERWP=RWP;
351                  TROICNT=1;
352                END;
353
354        *-------------------------------------------------------------------*
355        |  LONG STAY OUTLIERS.                                              |
356        *-------------------------------------------------------------------*;
```

-- Continued --

```
357
358               WHEN (BBDAYS GT CHHICUTA) DO;
359                 OUTCAT='2';
360                 TROBRWP=CHMPWT;
361                 TROLRWP=LS_WT*(BBDAYS-CHHICUTA);
362                 LS_RWP =SUM(TROBRWP,TROLRWP);
363                 RWP=LS_RWP;
364                 BASERWP=TROBRWP;
365                 OUTRWP=TROLRWP;
366                 TROLCNT=1;
367               END; /* LONG STAY */
368             END;    /* SELECT */
369           END;     /* WHEN DRGICAT=2 */
370
371         *----------------------DRGICAT = 3 RECORDS---------------------------*
372         ?                                                                   ?
373         | FOR DRGICAT=3 (TRANSFER IN, TRANSFER OUT) CASES ARE CURRENTLY     |
374         | HANDLED EXACTLY LIKE DRGICAT=1.  THE ASSUMPTION IS THAT MOST OF   |
375         | THESE CASES OCCUR IN MEDICAL CENTERS, HAVING BEEN TRANSFERED FROM |
376         | PRIMARY CARE FACILITIES FOR ACUTE MEDICAL CARE AND THEN RETURNED TO|
377         | ORIGINAL MTF.  WORKLOAD CREDIT IS IDENTICAL TO THAT OF AN IN/OUT   |
378         | DISPOSITION.  THESE CASES ARE TRACKED SEPARATELY FROM DRGICAT=1    |
379         | CASES FOR ANALYSIS PURPOSES ONLY.                                  |
380         *-------------------------------------------------------------------*;
381
382               WHEN ('3') DO;
383                 SELECT;
384
385         *-------------------------------------------------------------------*
386         | INLIERS                                                           |
387         *-------------------------------------------------------------------*;
388
389                   WHEN (CHLOCUT LE BBDAYS LE CHHICUTA) DO;
390                     RWP=CHMPWT;
391                     BASERWP=RWP;
392                     TRIOIRWP=RWP;
393                     TRIOICNT=1;
394                   END;
395
396         *-------------------------------------------------------------------*
397         | SHORT STAY OUTLIERS                                               |
398         *-------------------------------------------------------------------*;
```

-- Continued --

```
399
400               WHEN (BBDAYS LT CHLOCUT) DO;
401                 OUTCAT='1';
402                 RWP=MIN(BBDAYS*SS_WT,CHMPWT);
403                 TRIOSRWP=RWP;
404                 BASERWP=RWP;
405                 TRIOSCNT=1;
406               END;
9                                                THE SAS
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407
408         *-------------------------------------------------------------------*
409         | LONG STAY OUTLIERS                                                |
410         *-------------------------------------------------------------------*;
411
412               WHEN (BBDAYS GT CHHICUTA) DO;
413                 OUTCAT='2';
414                 TRIOBRWP=CHMPWT;
415                 TRIOLRWP=LS_WT*(BBDAYS-CHHICUTA);
416                 LS_RWP = SUM(TRIOBRWP,TRIOLRWP);
417                 RWP=LS_RWP;
418                 BASERWP=TRIOBRWP;
419                 OUTRWP=TRIOLRWP;
420                 TRIOLCNT=1;
421               END;  /* LONG STAY */
422             END;    /* SELECT */
423           END;      /* WHEN DRGICAT=3 */
424
425         *----------------------DRGICAT = 4 RECORDS--------------------------*
426         ?                                                                   ?
427         | FOR DRGICAT=4 (TRANSFER IN, DIRECT OUT) CASES ARE CURRENTLY HANDLED|
428         | EXACTLY LIKE DRGICAT=1.  THESE CASES ARE TRACKED SEPARATELY FROM  |
429         | DRGICAT = 1 CASES FOR ANALYSIS PURPOSES.                          |
430         *-------------------------------------------------------------------*;
431
432           WHEN ('4') DO;
433             SELECT;
434
435         *-------------------------------------------------------------------*
436         | INLIERS                                                           |
437         *-------------------------------------------------------------------*;
```

-- Continued --

```
438
439                WHEN (CHLOCUT LE BBDAYS LE CHHICUTA) DO;
440                  RWP=CHMPWT;
441                  TRIIRWP=RWP;
442                  BASERWP=RWP;
443                  TRIICNT=1;
444                END;
445
446          *-------------------------------------------------------------*
447          | SHORT STAY OUTLIERS                                         |
448          *-------------------------------------------------------------*;
449
450                WHEN (BBDAYS LT CHLOCUT) DO;
451                  OUTCAT='1';
452                  RWP=MIN(BBDAYS*SS_WT,CHMPWT);
453                  TRISRWP=RWP;
454                  BASERWP=RWP;
455                  TRISCNT=1;
456                END;
457
458          *-------------------------------------------------------------*
459          | LONG STAY OUTLIERS                                          |
460          *-------------------------------------------------------------*;
461
462                WHEN (BBDAYS GT CHHICUTA) DO;
463                  OUTCAT='2';
464                  TRIBRWP=CHMPWT;
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465                  TRILRWP=LS_WT*(BBDAYS-CHHICUTA);
466                  LS_RWP = SUM(TRIBRWP,TRILRWP);
467                  RWP=LS_RWP;
468                  BASERWP=TRIBRWP;
469                  OUTRWP=TRILRWP;
470                  TRILCNT=1;
471                END;  /* LONG STAY */
472              END;  /* SELECT */
473            END;  /* WHEN */
474
475          END;    /* SELECT (DRGICAT) */
476        END;   /* OTHERWISE  */
```

-- Continued --

```
477          END;      /* BIG SELECT */
478
479          /*=================================================================
480            V.  PRINT REPORTS AT VARIOUS LEVELS, TO AID IN QC
481          ================================================================*/
482
483


NOTE: THE DATA SET WORK.START HAS 395673 OBSERVATIONS AND 58 VARIABLES.
NOTE: THE DATA STATEMENT USED 38.21 CPU SECONDS AND 3197K.

483            DATA SUMUP; SET START;
484
485          GOODDISP = SUM(INCOUNT,SSCOUNT,LSCOUNT,TROICNT,TROLCNT,TRIOICNT,
486                         TRIOSCNT,TRIOLCNT,TRIICNT,TRISCNT,TRILCNT);
487          TOTRWP = SUM(BASERWP,OUTRWP);
488

NOTE: THE DATA SET WORK.SUMUP HAS 395673 OBSERVATIONS AND 60 VARIABLES.
NOTE: THE DATA STATEMENT USED 22.11 CPU SECONDS AND 3197K.

488          PROC SUMMARY NWAY;
489           CLASS DMISID MDC DMISBENF OUTCAT DRGICAT;
490           VAR BADCOUNT INCOUNT SSCOUNT LSCOUNT TROICNT TROLCNT TRIOICNT
491               TRIOSCNT TRIOLCNT TRIICNT TRISCNT TRILCNT GOODDISP BADCOUNT
492               BASERWP OUTRWP RWP IN_RWP SS_RWP LSB_RWP LSO_RWP LS_RWP TOTRWP
493               TROIRWP TROLRWP TRIOIRWP TRIOSRWP TRIOLRWP TRIIRWP TRISRWP
494               TRILRWP TRISRWP TROBRWP TRIOBRWP TRIBRWP;
495           OUTPUT OUT=RESULTS SUM=;
496
497

NOTE: THE DATA SET WORK.RESULTS HAS 16757 OBSERVATIONS AND 41 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 330.59 CPU SECONDS AND 3126K.

497          DATA SUMOUT; SET RESULTS;
498

NOTE: THE DATA SET WORK.SUMOUT HAS 16757 OBSERVATIONS AND 41 VARIABLES.
NOTE: THE DATA STATEMENT USED 0.65 CPU SECONDS AND 3466K.

498           PROC SUMMARY NWAY;
```

-- Continued --

```
499           CLASS OUTCAT;
500           VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
501           OUTPUT OUT=OUTCAT1 SUM=;
502
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NOTE: THE DATA SET WORK.OUTCAT1 HAS 3 OBSERVATIONS AND 8 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 0.93 CPU SECONDS AND 3466K.

502         PROC PRINT DATA=OUTCAT1;
503            VAR OUTCAT TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
504            TITLE2 'RWPS AND DISPOSITIONS BY OUTLIER STATUS';
505
506

NOTE: THE PROCEDURE PRINT PRINTED PAGE 1.
NOTE: THE PROCEDURE PRINT USED 0.04 CPU SECONDS AND 3524K.

506          DATA SUMICAT; SET RESULTS;
507

NOTE: THE DATA SET WORK.SUMICAT HAS 16757 OBSERVATIONS AND 41 VARIABLES.
NOTE: THE DATA STATEMENT USED 0.63 CPU SECONDS AND 3524K.

507           PROC SUMMARY NWAY;
508           CLASS DRGICAT;
509           VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
510           OUTPUT OUT=DRGICAT1 SUM=;
511

NOTE: THE DATA SET WORK.DRGICAT1 HAS 4 OBSERVATIONS AND 8 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 0.93 CPU SECONDS AND 3524K.

511         PROC PRINT DATA=DRGICAT1;
512            VAR DRGICAT TOTRWP BASERWP OUTRWP GOODDISP;
513            TITLE2 'RWPS AND DISPOSITIONS BY TRANSFER STATUS';
514
515

NOTE: THE PROCEDURE PRINT PRINTED PAGE 2.
```

-- Continued --

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```
NOTE: THE PROCEDURE PRINT USED 0.03 CPU SECONDS AND 3524K.
523
524

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NOTE: THE PROCEDURE PRINT PRINTED PAGE 3.
NOTE: THE PROCEDURE PRINT USED 0.03 CPU SECONDS AND 3524K.

524          DATA BJNREP; SET RESULTS;
525           TOTCNT = SUM(BADCOUNT,GOODDISP);
526            BSSCNT = SUM(SSCOUNT,TRISCNT,TRIOSCNT);
527            BINCNT = SUM(INCOUNT,TRIICNT,TRIOICNT);
528            BLSCNT = SUM(LSCOUNT,TRILCNT,TRIOLCNT);
529            BTRCNT = SUM(TROICNT,TROLCNT);
530            BINRWP = SUM(IN_RWP,TRIIRWP,TRIOIRWP);
531            BSSRWP = SUM(SS_RWP,TRISRWP,TRIOSRWP);
532            BLSBRWP = SUM(LSB_RWP,TRIBRWP,TRIOBRWP);
533            BLSORWP = SUM(LSO_RWP,TRILRWP,TRIOLRWP);
534            BTRBRWP = SUM(TROBRWP,TROIRWP);
535            BTRLRWP = TROLRWP;
536
537

NOTE: THE DATA SET WORK.BJNREP HAS 16757 OBSERVATIONS AND 52 VARIABLES.
NOTE: THE DATA STATEMENT USED 1.24 CPU SECONDS AND 3526K.

537           PROC SUMMARY NWAY;
538             CLASS DMISID;
539             VAR TOTRWP BSSCNT BSSRWP BLSCNT BLSBRWP BLSORWP BTRCNT BTRBRWP
540                 TOTCNT BADCOUNT BTRLRWP BINCNT BINRWP GOODDISP;
541             OUTPUT OUT=BJNREP1 SUM=;
542

NOTE: THE DATA SET WORK.BJNREP1 HAS 51 OBSERVATIONS AND 17 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 1.49 CPU SECONDS AND 3526K.

542           PRO      .T DATA=BJNREP1;
543             VAR DMISID TOTCNT BSSCNT BSSRWP BINCNT BINRWP BLSCNT BLSBRWP
544                 BLSORWP BTRCNT BTRBRWP BTRLRWP BADCOUNT GOODDISP TOTRWP;
545           TITLE2 'RWPS AND DISPOSITIONS BY DMISID AND OUTLIER STATUS';
```

-- Continued --

```
546
547

NOTE: THE PROCEDURE PRINT PRINTED PAGE 4
NOTE: THE PROCEDURE PRINT USED 0.07 CPU SECONDS AND 3526K.

547          PROC SUMMARY NWAY DATA=RESULTS;
548            CLASS MDC;
549            VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
550            OUTPUT OUT=MDCREP SUM=;
551
552

NOTE: THE DATA SET WORK.MDCREP HAS 26 OBSERVATIONS AND 8 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 0.97 CPU SECONDS AND 3526K.

552          PROC SUMMARY NWAY DATA=RESULTS;
553            CLASS DMISBENF;
554            VAR TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
555            OUTPUT OUT=BENFREP SUM=;
556
557

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NOTE: THE DATA SET WORK.BENFREP HAS 7 OBSERVATIONS AND 8 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 0.96 CPU SECONDS AND 3526K.

557            PROC PRINT DATA=MDCREP;
558              VAR MDC TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
559            TITLE2 'RWPS AND DISPOSITIONS BY MDC';
560
561

NOTE: THE PROCEDURE PRINT PRINTED PAGE 5.
NOTE: THE PROCEDURE PRINT USED 0.04 CPU SECONDS AND 3526K.

561            PROC PRINT DATA=BENFREP;
562              VAR DMISBENF TOTRWP BASERWP OUTRWP GOODDISP BADCOUNT;
563            TITLE2 'RWPS AND DISPOSITIONS BY DMIS BENEFICIARY TYPE';
564
```

-- Continued --

```
565          /*================================================================
566            VI.  SORT BY MTFCODE AND PRN
567          ================================================================*/
568
569

NOTE: THE PROCEDURE PRINT PRINTED PAGE 6.
NOTE: THE PROCEDURE PRINT USED 0.03 CPU SECONDS AND 3526K.

569          DATA TWO;SET START(KEEP=MTFCODE PRN BASERWP OUTRWP OUTCAT
DRGICAT);
571

NOTE: THE DATA SET WORK.TWO HAS 395673 OBSERVATIONS AND 7 VARIABLES.
NOTE: THE DATA STATEMENT USED 11.83 CPU SECONDS AND 3526K.

571          PROC SORT;
572            BY MTFCODE PRN;
573
574          /*================================================================
575            VII.  MERGE IN FINAL SAS DATASET (ON TAPE).
576          ================================================================*/
577

NOTE: Host SORT WAS USED.
NOTE: THE DATA SET WORK.TWO HAS 395673 OBSERVATIONS AND 7 VARIABLES.
NOTE: THE PROCEDURE SORT USED 14.60 CPU SECONDS AND 3569K.

577          DATA TEMP3;
578            MERGE TEMP1 TWO;
579            BY MTFCODE PRN;
580
581          /*================================================================
582            VIII.  WRITE TO FLAT FILE ON TAPE.
583          ================================================================*/
584
585          /****** PARAMETER AND VARIABLE UPDATE SECTION:  NO. 4 *************/
586          /* IF INPUT FILE LAYOUT HAS CHANGED, MAKE CORRESPONDING CHANGES   */
587          /* TO PUT STATEMENTS BELOW.                                       */
588          /******************************************************************/
589
590          FILE BIOOUT;
```

-- Continued --

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```
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591          PUT
592
593              @1      PRN         $CHAR7. /* PATIENT REGISTER NUMBER */
594              @8      MTFCODE     $CHAR6. /* REPORTING MTF */
595              @14     STRING1     $CHAR13.
596              @27     DX1         $CHAR8. /* DIAGNOSIS #1 */
597              @35     STRING2     $CHAR100.
598              @135    STRING3     $CHAR38.
599              @173    ADMSRC      $CHAR1. /* SOURCE OF ADMISSION */
600              @174    DISPDATE    $CHAR6. /* DATE OF DISPOSITION */
601              @180    STRING4     $CHAR100.
602              @280    STRING5     $CHAR100.
603              @380    STRING6     $CHAR12.
604              @392    DMISID      $CHAR4.
605              @396    STRING7     $CHAR6.
606              @402    DMISBENF    $CHAR3. /* DMIS BENEFICIARY CATEGORY */
607              @405    STRING8     $CHAR6.
608              @411    DMISDAYS         4. /* REC TOT BED/BASS DAYS */
609              @415    STRING9     $CHAR13.
610              @428    RECDISP     $CHAR2. /* RECODED DISP STATUS */
611              @502    DRG              3.
612              @505    MDC         $CHAR2.
613              @507    STRING10    $CHAR31.
614              @538    BASERWP          9.4
615              @547    OUTRWP           9.4
616              @556    OUTCAT      $CHAR1.
617              @557    DRGICAT     $CHAR1.
619              ;
620
621

NOTE: THE FILE BIOOUT IS:
      DSNAME=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,
      UNIT=3400,VOLUME=003486,DISP=NEW,BLKSIZE=23436,
      LRECL=558,RECFM=FB
NOTE: 395673 RECORDS WERE WRITTEN TO THE FILE BIOOUT.
NOTE: THE DATA SET WORK.TEMP3 HAS 395673 OBSERVATIONS AND 26 VARIABLES.
NOTE: THE DATA STATEMENT USED 114.79 CPU SECONDS AND 3693K.
```

-- Continued --

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

```
621           PROC SUMMARY NWAY;
622           CLASS DMISID;
623           VAR BASERWP OUTRWP;
624           OUTPUT OUT=FINSUM SUM=;
625
626

NOTE: THE DATA SET WORK.FINSUM HAS 51 OBSERVATIONS AND 5 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 20.09 CPU SECONDS AND 3693K.

626           DATA FINRWP;SET FINSUM;
627             FINTOT = SUM(BASERWP,OUTRWP);
628             FINPLUS = BASERWP+OUTRWP;
629

NOTE: THE DATA SET WORK.FINRWP HAS 51 OBSERVATIONS AND 7 VARIABLES.
NOTE: THE DATA STATEMENT USED 0.04 CPU SECONDS AND 3693K.

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629           PROC PRINT DATA=FINRWP;
630             VAR DMISID FINTOT FINPLUS BASERWP OUTRWP;
NOTE: THE PROCEDURE PRINT PRINTED PAGE 7.
NOTE: THE PROCEDURE PRINT USED 0.04 CPU SECONDS AND 3693K.

NOTE: THE SAS SESSION USED 666.79 CPU SECONDS AND 6205K.
NOTE: SAS INSTITUTE INC., SAS CIRCLE, PO BOX 8000, CARY, NC 27512-8000
```

FY91 ARMY RWP ATTACHMENT PROGRAM
RWPS AND DISPOSITIONS BY OUTLIER STATUS

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OBS	OUTCAT	TOTRWP	BASERWP	OUTRWP	GOODDISP	BADCOUNT
1	0	295613.76	295613.76	0.00	384324	87
2	1	44.83	44.83	0.00	48	0
3	2	45595.44	14180.30	31415.14	11214	0

-- Continued --

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FY91 ARMY RWP ATTACHMENT PROGRAM 18:00 MONDAY, APRIL 13, 1992 2
RWPS AND DISPOSITIONS BY TRANSFER STATUS

OBS	DRGICAT	TOTRWP	BASERWP	OUTRWP	GOODDISP
1	1	302080.67	281043.86	21036.81	365431
2	2	12142.49	9942.14	2200.35	13752
3	3	4846.90	3589.05	1257.86	3372
4	4	22183.97	15263.85	6920.12	13031

FY91 ARMY RWP ATTACHMENT PROGRAM 18:00 MONDAY, APRIL 13, 1992 4
RWPS AND DISPOSITIONS BY DMISID AND OUTLIER STATUS

OBS	DMISID	TOTCNT	BSSCNT	BSSRWP	BINCNT	BINRWP	BLSCNT	BLSBRWP	BLSORWP	BTRCNT	BTRBRWP	BTRLRWP	BADCOUNT	GOODDISP	TOTRWP
1	0001	2274	0	0.0000	2126	1529.54	30	35.61	36.35	118	92.39	1.703	0	2274	1695.59
2	0002	4138	0	0.0000	3923	2632.00	44	23.99	37.79	171	89.01	1.346	0	4138	2784.13
3	0003	4763	12	7.3502	4576	3168.07	36	39.10	133.27	139	67.81	0.518	0	4763	3416.12
4	0005	3806	0	0.0000	3624	2074.10	77	37.27	76.58	104	60.02	0.000	1	3805	2247.97
5	0008	3122	1	1.0616	2823	1803.57	41	23.09	28.39	257	160.92	0.632	0	3122	2017.66
6	0022	8315	1	0.3248	7784	8750.55	462	686.78	2796.22	67	63.34	49.060	1	8314	12346.27
7	0023	9624	0	0.0000	9097	5752.50	150	115.54	251.48	376	256.11	25.304	1	9623	6400.94
8	0031	16576	3	2.8902	15706	15454.94	759	1100.25	2426.94	104	200.31	148.557	4	16572	19333.89
9	0032	11178	0	0.0000	10652	6795.70	142	108.19	131.34	382	205.81	5.271	2	11176	7246.32
10	0037	26207	7	12.7204	24192	24780.43	1902	2608.41	6782.82	104	133.49	204.019	2	26205	34521.89
11	0047	15802	2	2.7388	14957	13813.63	640	953.27	1732.38	200	237.04	63.631	3	15799	16802.70
12	0048	11361	0	0.0000	10606	7384.03	319	346.01	1718.64	416	269.73	55.323	20	11341	9773.73
13	0049	6034	0	0.0000	5760	3739.34	70	67.52	122.41	202	127.94	12.615	2	6032	4069.81
14	0052	22590	5	4.4702	21603	17049.30	855	1193.53	2840.69	122	187.64	106.466	5	22585	21382.09
15	0057	6541	0	0.0000	6167	3856.55	95	72.09	124.58	279	166.59	0.703	0	6541	4220.52
16	0058	1892	0	0.0000	1694	1335.58	2	2.26	1.35	196	93.07	0.000	0	1892	1432.27
17	0060	9772	0	0.0000	9210	6056.98	139	102.90	205.77	423	267.44	13.229	0	9772	6646.32
18	0061	8846	0	0.0000	8484	5451.42	123	102.31	273.92	238	144.50	0.000	1	8845	5972.15
19	0064	7771	1	0.9634	7422	4726.59	69	54.75	108.78	279	194.50	28.909	0	7771	5114.50
20	0069	4361	0	0.0000	3839	2883.50	36	39.15	121.15	486	163.68	33.493	0	4361	3240.98
21	0070	2832	2	1.6606	2721	2046.69	17	14.08	22.90	92	29.72	0.000	0	2832	2115.06
22	0075	8262	0	0.0000	7954	5343.02	122	125.02	289.27	186	143.91	2.569	0	8262	5903.79
23	0081	1483	0	0.0000	1400	991.20	13	8.96	14.23	70	52.65	1.250	0	1483	1068.29
24	0082	3747	1	0.5196	3546	2888.28	77	73.59	151.56	123	92.86	17.673	0	3747	3224.48
25	0086	4404	0	0.0000	4288	2800.90	35	23.01	25.21	81	65.80	1.514	0	4404	2916.43
26	0089	17766	1	0.6166	16488	11400.23	301	278.17	465.42	975	672.56	22.470	1	17765	12839.47

-- Continued --

27	0098	8516	0	0.0000	8151	5419.53	85	77.60	128.19	280	213.45	5.433	0	8516	5844.20
28	0105	7933	0	0.0000	7657	6430.55	149	136.91	296.17	127	91.59	13.180	0	7933	6968.40
29	0108	17350	2	2.3172	16442	14255.32	666	967.12	1135.90	224	320.45	58.578	16	17334	16739.69
30	0109	19175	1	0.6748	18242	18953.52	562	1377.90	2453.13	368	767.31	858.890	2	19173	24411.43
31	0110	16671	1	0.9634	16142	10236.95	131	122.84	266.14	394	271.61	8.025	3	16668	10906.53
32	0121	4389	1	1.2556	4184	2835.61	59	26.76	33.31	145	68.78	0.490	0	4389	2966.19
33	0122	3214	5	3.6228	3119	2472.18	51	46.36	111.66	39	30.93	0.000	0	3214	2664.75
34	0123	7870	0	0.0000	7483	4595.23	24	17.55	41.52	362	164.56	0.000	1	7869	4818.86
35	0125	20686	1	0.5196	19645	15483.73	351	486.13	818.73	685	381.56	46.574	4	20682	17217.25
36	0131	2456	1	0.1624	2197	1267.09	20	12.87	16.45	238	69.47	0.235	0	2456	1366.27
37	0294	1123	0	0.0000	1110	738.36	2	0.96	0.90	11	5.52	0.000	0	1123	745.74
38	0330	1	0	0.0000	1	1.81	0	0.00	0.00	0	0.00	0.000	0	1	1.81
39	0601	2862	0	0.0000	2686	1735.90	91	69.14	171.10	85	58.89	35.510	0	2862	2070.54
40	0602	3920	0	0.0000	3459	2241.09	318	304.74	255.91	142	86.48	7.001	1	3919	2895.21
41	0603	1754	0	0.0000	1659	1110.21	61	68.56	44.46	34	27.00	0.000	0	1754	1250.23
42	0604	1685	0	0.0000	1634	1026.50	13	5.97	23.31	38	20.75	6.952	0	1685	1083.48
43	0605	10957	0	0.0000	8828	6400.70	333	298.44	544.89	1791	1275.43	62.216	5	10952	8581.68
44	0606	4022	0	0.0000	3716	2259.43	151	150.87	90.04	154	68.52	0.000	1	4021	2568.86
45	0607	11342	0	0.0000	10079	8511.94	369	374.80	642.49	888	771.92	129.233	6	11336	10430.39
46	0608	5661	0	0.0000	5101	3485.68	253	181.73	542.14	307	202.01	39.659	0	5661	4451.23
47	0609	4949	0	0.0000	4728	2769.04	64	41.06	90.54	154	88.04	13.938	3	4946	3002.61
48	0611	1040	0	0.0000	977	568.33	18	10.66	79.69	45	29.28	0.000	0	1040	687.96
49	0612	5909	0	0.0000	5303	3704.05	324	275.34	359.15	282	235.07	21.880	0	5909	4595.48
50	0613	7424	0	0.0000	6987	4839.45	173	166.55	227.76	262	196.36	2.525	2	7422	5432.64
51	0614	1297	0	0.0000	1247	779.37	23	10.99	14.83	27	13.34	0.704	0	1297	819.24

OBS	MDC	TOTRWP	BASERWP	OUTRWP	GOODDISP	BADCOUNT
1	00	0.00	0.00	0.00	0	18
2	01	18144.24	15704.71	2439.53	14368	0
3	02	5572.11	4737.02	835.09	7433	0
4	03	19858.58	17906.28	1952.30	30749	0
5	04	22428.44	21219.44	1209.01	19447	0
6	05	33711.43	31323.43	2387.99	24809	0
7	06	32752.30	31514.90	1237.40	43577	0
8	07	8264.18	7811.51	452.66	6211	0
9	08	43755.23	36926.15	6829.08	41811	0
10	09	15616.45	14646.06	970.39	19427	0

-- Continued --

11	10	5338.93	4910.23	428.69	6387	0
12	11	9945. 0	9191.54	753.66	10242	0
13	12	6179.40	5685.62	493.78	9275	1
14	13	13977.96	13325.51	652.45	18526	1
15	14	26241.82	24324.36	1917.46	53358	33
16	15	12963.99	11896.12	1067.86	36453	34
17	16	3677.76	3579.62	98.13	3564	0
18	17	7143.12	5995.42	1147.71	4434	0
19	18	6379.12	6193.47	185.65	7533	0
20	19	20626.01	17872.50	2753.51	10539	0
21	20	7682.38	7022.94	659.44	5313	0
22	21	5870.09	5212.88	657.20	7244	0
23	22	2560.05	1794.02	766.04	844	0
24	23	8218.98	7536.07	682.92	12918	0
25	24	1919.19	1437.80	481.38	350	0
26	25	2427.06	2071.27	355.79	768	0

FY91 ARMY RWP ATTACHMENT PROGRAM 18:00 MONDAY, APRIL 13, 1992 6
RWPS AND DISPOSITIONS BY DMIS BENEFICIARY TYPE

OBS	DMISBENF	TOTRWP	BASERWP	OUTRWP	GOODDISP	BADCOUNT
1	ACT	119812.32	102954.88	16857.45	127094	22
2	DA	88194.71	84071.53	4123.19	147082	53
3	DR	37270.55	35229.23	2041.32	38155	6
4	DS	10636.31	9704.90	931.41	9236	0
5	GRD	8233.57	7480.99	752.59	9780	0
6	OTH	13168.89	11269.31	1899.57	11756	4
7	RET	63937.68	59128.07	4809.61	52483	2

FY91 ARMY RWP ATTACHMENT PROGRAM 18:00 MONDAY, APRIL 13, 1992 7
RWPS AND DISPOSITIONS BY DMISBENEFICIARY TYPE

OBS	DMISID	FINTOT	FINPLUS	BASERWP	OUTRWP
1	0001	1695.59	1695.59	1657.54	38.05
2	0002	2784.13	2784.13	2745.00	39.13
3	0003	3416.12	3416.12	3282.33	133.79
4	0005	2247.97	2247.97	2171.39	76.58
5	0008	2017.66	2017.66	1988.64	29.02
6	0022	12346.27	12346.27	9501.00	2845.27

-- Continued --

EXHIBIT C-1: FY91 ARMY RWP ATTACHMENT JOB LOG

7	0023	6400.94	6400.94	6124.15	276.79
8	0031	19333.89	19333.89	16758.39	2575.50
9	0032	7246.32	7246.32	7109.70	136.62
10	0037	34521.89	34521.89	27535.05	6986.83
11	0047	16802.70	16802.70	15006.68	1796.02
12	0048	9773.73	9773.73	7999.77	1773.96
13	0049	4069.81	4069.81	3934.79	135.02
14	0052	21382.09	21382.09	18434.94	2947.15
15	0057	4220.52	4220.52	4095.24	125.28
16	0058	1432.27	1432.27	1430.91	1.35
17	0060	6646.32	6646.32	6427.32	219.00
18	0061	5972.15	5972.15	5698.23	273.92
19	0064	5114.50	5114.50	4976.81	137.69
20	0069	3240.98	3240.98	3086.34	154.65
21	0070	2115.06	2115.06	2092.16	22.90
22	0075	5903.79	5903.79	5611.95	291.84
23	0081	1068.29	1068.29	1052.81	15.48
24	0082	3224.48	3224.48	3055.25	169.24
25	0086	2916.43	2916.43	2889.71	26.72
26	0089	12839.47	12839.47	12351.58	487.89
27	0098	5844.20	5844.20	5710.58	133.62
28	0105	6968.40	6968.40	6659.05	309.35
29	0108	16739.69	16739.69	15545.20	1194.48
30	0109	24411.43	24411.43	21099.40	3312.02
31	0110	10906.53	10906.53	10632.36	274.17
32	0121	2966.19	2966.19	2932.40	33.80
33	0122	2664.75	2664.75	2553.09	111.66
34	0123	4818.86	4818.86	4777.34	41.52
35	0125	17217.25	17217.25	16351.94	865.31
36	0131	1366.27	1366.27	1349.59	16.68
37	0294	745.74	745.74	744.84	0.90
38	0330	1.81	1.81	1.81	0.00
39	0601	2070.54	2070.54	1863.93	206.61
40	0602	2895.21	2895.21	2632.30	262.91
41	0603	1250.23	1250.23	1205.77	44.46
42	0604	1083.48	1083.48	1053.22	30.27
43	0605	8581.68	8581.68	7974.57	607.11
44	0606	2568.86	2568.86	2478.82	90.04
45	0607	10430.39	10430.39	9658.66	771.73
46	0608	4451.23	4451.23	3869.42	581.80
47	0609	3002.61	3002.61	2898.14	104.48
48	0611	687.96	687.96	608.27	79.69

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                          49     0612      4595.48     4595.48     4214.46     381.03
                          50     0613      5432.64     5432.64     5202.36     230.28
                          51     0614       819.24      819.24      803.71      15.53
SORT FIELDS=(00008,006,CH,A,00001,007,CH,A),FILSZ=E395673,EQUALS
RECORD LENGTH=474,TYPE=F
OPTION SORTDD=SASS,MSGDDN=SYSOUT,MAINSIZE=MAX,MSGPRT=CRITICAL
SORT FIELDS=(00040,008,CH,A),FILSZ=E395673,EQUALS
RECORD LENGTH=49,TYPE=F
OPTION SORTDD=SASS,MSGDDN=SYSOUT,MAINSIZE=MAX,MSGPRT=CRITICAL
SORT FIELDS=(00008,006,CH,A,00001,007,CH,A),FILSZ=E395673,EQUALS
RECORD LENGTH=32,TYPE=F
OPTION SORTDD=SASS,MSGDDN=SYSOUT,MAINSIZE=MAX,MSGPRT=CRITICAL
```

EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

```
                    J E S 2  J O B  L O G  --  S Y S T E M  E S A P  --  N O D E  E S A P

09.24.46 JOB02447  IEF196I RX2DPC00 - USER CSR      LOGGED ON  VIA STC
09.24.46 JOB02447  RX2DPC00 - USER CSR      LOGGED ON  VIA STC
09.24.46 JOB02447  IEF196I RX1DPC99 - USER CSR      LOGGED OFF VIA STC
09.24.46 JOB02447  RX1DPC99 - USER CSR      LOGGED OFF VIA STC
09.24.48 JOB02447  ICH70001I CSR      LAST ACCESS AT 09:17:46 ON
TUESDAY, APRIL 14, 1992
09.24.48 JOB02447  RX2DPC00 - USER CSR      LOGGED ON  JES/INIT
09.24.48 JOB02447  $HASP373 CSRTMRA  STARTED - INIT  8 - CLASS C - SYS ESAP
09.24.48 JOB02447  IEF403I CSRTMRA - STARTED - TIME=09.24.48
09.24.49 JOB02447 *IEF233A M F90,003486,,CSRTMRA,SAS606,
                         HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
09.30.27 JOB02447  IEC502E KF90,003486,SL,CSRTMRA,SAS606,HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
09.30.27 JOB02447 *IEC501A M F90,006923,SL,6250BPI,CSRTMRA,SAS606,HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91
09.42.46 JOB02447  IEF234E K F90,006923,PVT,CSRTMRA,SAS606
09.42.46 JOB02447  -                                          --TIMINGS (MINS.)--            ----PAGING COUNTS---
09.42.46 JOB02447  -JOBNAME  STEPNAME PROCSTEP    RC   EXCP   CONN   TCB    SRB  CLOCK   SERV  PG  PAGE  SWAP   VIO SWAPS
09.42.46 JOB02447  -CSRTMRA  SAS606              00  17878   298K  3.88    .05   17.9  4316K   4    39    78     0     2
09.42.46 JOB02447  IEF404I CSRTMRA - ENDED - TIME=09.42.46
09.42.46 JOB02447  -CSRTMRA  ENDED.  NAME-TINA RITTER          TOTAL TCBCPU TIME=  3.88  TOTAL ELAPSED TIME=  17.9
09.42.46 JOB02447  $HASP395 CSRTMRA  ENDED
------ JES2 JOB STATISTICS ------
    14 APR 92 JOB EXECUTION DATE
         136 CARDS READ
         614 SYSOUT PRINT RECORDS
           0 SYSOUT PUNCH RECORDS
          38 SYSOUT SPOOL KBYTES
       17.96 MINUTES EXECUTION TIME
       1 //CSRTMRA  JOB (RAMS,.....),'TINA RITTER',
       JOB02447
         //         CLASS=C,MSGCLASS=X,MSGLEVEL=(1,1),
         //         NOTIFY=CSR,PASSWORD=(),TIME=(10,0),
         //         USER=CSR
         ***ROUTE  PRINT RMT20
         ***ROUTE  PUNCH RMT20
       2 //    EXEC SAS606,WORK='100,100',SORT=6,REGION=4096K
          3.
       3 XXSAS606  PROC ENTRY=SASXA1,
         XX             PRODFIX='SYS2.SAS606',
         XX             CONFIG=NULLFILE,
         XX             OPTIONS=,
```

-- Continued --

```
         XX             SORT=4,
         XX             WORK='10,5'
*************************************************************************
         ***  PRODUCT: MVS SAS RELEASE 6.06
    ***
         ***  DOCUMENTATION: SAS COMPANION FOR THE MVS ENVIRONMENT, V6
    ***
         ***  FROM: SAS INSTITUTE INC., BOX 8000, CARY, NC  27512-8000
    ***
*************************************************************************
       4 XXSAS606   EXEC PGM=&ENTRY,PARM='&OPTIONS SORT=&SORT',REGION=4096K,   X
         IEF653I SUBSTITUTION JCL - PGM=SASXA1,PARM='SORT=6',REGION=4096K,
         XX    PERFORM=4
       5 XXSTEPLIB   DD DISP=SHR,DSN=&PRODFIX..MAINT.LIBRARY
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.MAINT.LIBRARY
       6 XX          DD DISP=SHR,DSN=&PRODFIX..LIBRARY
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.LIBRARY
       7 XX          DD DISP=SHR,DSN=SYS2.SAS.MLOGIT21
       8 XX          DD DISP=SHR,DSN=SYS2.ADABAS.V5.LOAD
       9 XX          DD DISP=SHR,DSN=SYS2.SAS518.ADA110.LIBRARY
      10 XXCONFIG    DD DISP=SHR,DSN=&PRODFIX..CNTL(BATCHXA)
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.CNTL(BATCHXA)
      11 XX          DD DISP=SHR,DSN=&CONFIG
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=NULLFILE
      12 XXSASAUTOS  DD DISP=SHR,DSN=&PRODFIX..AUTOLIB
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.AUTOLIB
      13 XXSASHELP   DD DISP=SHR,DSN=&PRODFIX..SASHELP
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.SASHELP
      14 XXSASMSG    DD DISP=SHR,DSN=&PRODFIX..SASMSG
         IEF653I SUBSTITUTION JCL - DISP=SHR,DSN=SYS2.SAS606.SASMSG
      15 XXWORK      DD UNIT=SYSDA,SPACE=(CYL,(&WORK),,,ROUND)
         IEF653I SUBSTITUTION JCL - UNIT=SYSDA,SPACE=(CYL,(100,100),,,ROUND)
      16 XXSASLOG    DD SYSOUT=*
      17 XXSASLIST   DD SYSOUT=*
      18 XXSASPARM   DD UNIT=SYSDA SPACE=(400,(100,300)),
         XX             DCB=(RECFM=FB,LRECL=80,BLKSIZE=400,BUFNO=1)
         ***SYSUDUMP DD SYSOUT=*
         ****  ADD A LINE LIKE THE FOLLOWING TO CREATE A MACHINE-READABLE DUMP
         ***SYSMDUMP DDDSN=DUMP,UNIT=SYSDA,DISP=(NEW,CATLG),SPACE=(TRK,(20,5))
      19 //BIOIN    DDDSN=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,DISP=SHR          4.
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EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

```
      20 //SYSIN     DD *                GENERATED STATEMENT STMT NO. MESSAGE
-    4     FDT100I          SAS606   TAPES=      1 PACKS=      0 REGION=
4096K
         FDT101I CLASS SET TO C(USER=CSR,ACCOUNT=RAMS,BOX=0000,JOBNAME=CSRTMRA )
ICH70001I CSR      LAST ACCESS AT 09:17:46 ON TUESDAY, APRIL 14, 1992
RX2DPC00 - USER CSR      LOGGED ON  JES/INIT
IEF236I ALLOC. FOR CSRTMRA SAS606
IEF237I 367  ALLOCATED TO STEPLIB
IEF237I 367  ALLOCATED TO
IEF237I 129  ALLOCATED TO
IEF237I 481  ALLOCATED TO
IEF237I 481  ALLOCATED TO
IEF237I 367  ALLOCATED TO CONFIG
IEF237I DMY  ALLOCATED TO
IEF237I 367  ALLOCATED TO SASAUTOS
IEF237I 367  ALLOCATED TO SASHELP
IEF237I 367  ALLOCATED TO SASMSG
IEF237I 491  ALLOCATED TO WORK
IEF237I JES2 ALLOCATED TO SASLOG
IEF237I JES2 ALLOCATED TO SASLIST
IEF237I 490  ALLOCATED TO SASPARM
IEF237I F90  ALLOCATED TO BIOIN
IEF237I JES2 ALLOCATED TO SYSIN
IEF237I 367  ALLOCATED TO SYS00001
IEF285I   SYS2.SAS606.CNTL                              KEPT
IEF285I   VOL SER NOS= SYS006.
IEF142I CSRTMRA SAS606 - STEP WAS EXECUTED - COND CODE 0000
IEF285I   SYS2.SAS606.MAINT.LIBRARY                     KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.LIBRARY                           KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS.MLOGIT21                             KEPT
IEF285I   VOL SER NOS= SYS003.
IEF285I   SYS2.ADABAS.V5.LOAD                           KEPT
IEF285I   VOL SER NOS= SYS009.
IEF285I   SYS2.SAS518.ADA110 LIBRARY                    KEPT
IEF285I   VOL SER NOS= SYS009.
IEF285I   SYS2.SAS606.CNTL                              KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.AUTOLIB                           KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.SASHELP                           KEPT
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EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

```
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS2.SAS606.SASMSG                          KEPT
IEF285I   VOL SER NOS= SYS006.
IEF285I   SYS92105.T092448.RA000.CSRTMRA.R0000001     DELETED
IEF285I   VOL SER NOS= WRK491.
IEF285I   CSR.CSRTMRA.J0802447.D0000102.?             SYSOUT
IEF285I   CSR.CSRTMRA.J0802447.D0000103.?             SYSOUT
IEF285I   SYS92105.T092448.RA000.CSRTMRA.R0000002     DELETED
IEF285I   VOL SER NOS= WRK490.
IEF285I   HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91     KEPT
IEF285I   VOL SER NOS= 003486,006923.
IEF285I   CSR.CSRTMRA.J0802447.D0000101.?             SYSIN
IEF373I STEP /SAS606  / START 92105.0924
IEF374I STEP /SAS606  / STOP  92105.0942 CPU    3MIN 53.31SEC SRB
0MIN 03.32SEC VIRT   816K SYS   236K EXT    2776K SYS    9148K
IEF375I  JOB /CSRTMRA / START 92105.0924
IEF376I  JOB /CSRTMRA / STOP  92105.0942 CPU    3MIN 53.31SEC SRB
0MIN 03.32SEC
1                                                    THE SAS
SYSTEM                          09:24 TUESDAY, APRIL 14, 1992

NOTE: COPYRIGHT(C) 1989 BY SAS INSTITUTE INC., CARY, NC USA.
NOTE: SAS (R) PROPRIETARY SOFTWARE RELEASE 6.06.01
      LICENSED TO FT. DETRICK DATA PROCESSING CENTER, SITE 0001608001.

NOTE: RUNNING ON IBM MODEL 3090 SERIAL NUMBER 114434,
                 IBM MODEL 3090 SERIAL NUMBER 214434.


+----------------------- PLEASE NOTE ----------------------------+
+ HUNDREDS OF FIXES WERE APPLIED 4/30/91 TO SAS VERSION 6.06.    +
+ CONTACT THE INFORMATION CENTER AT (301) 663-2081 OR AV 343-2081 +
+ IF YOU HAVE QUESTIONS.                                         +
+-------------------------------------------------------4/30/91-+

NOTE: THE SASUSER LIBRARY WAS NOT SPECIFIED. SASUSER LIBRARY WILL NOW BE
THE SAME AS THE WORK LIBRARY.
NOTE: ALL DATA SETS AND CATALOGS IN THE SASUSER LIBRARY WILL BE DELETED
AT THE END OF THE SESSION.  USE THE NOWORKTERM OPTION TO
      PREVENT THEIR DELETION.

NOTE: SAS SYSTEM OPTIONS SPECIFIED ARE:
```

-- Continued --

EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

```
      SORT=6

NOTE: THE INITIALIZATION PHASE USED 0.20 CPU SECONDS AND 2254K.
1          ******  PROGRAM NAME: HAF.CON.VRI.TMR.SIDR.RWPARMQC.PROG91******;
2
3            TITLE 'FY91 BIOMETRICS TABULATION QC PROGRAM';
4
4            DATA TEMP1;
5              INFILE BIOIN;
6
7              INPUT
8                  @1      PRN         $CHAR7. /* PATIENT REGISTER NUMBER */
9                  @8      MTFCODE     $CHAR6. /* REPORTING MTF */
10                 @27     DX1         $CHAR8. /* DIAGNOSIS #1 */
11                 @173    ADMSRC      $CHAR1. /* SOURCE OF ADMISSION */
12                 @174    DISPDATE    $CHAR6. /* DATE OF DISPOSITION */
13                 @392    DMISID      $CHAR4.
14                 @402    DMISBENF    $CHAR3. /* DMIS BENEFICIARY CATEGORY */
15                 @411    DMISDAYS         4. /* REC TOT BED/BASS DAYS */
16                 @428    RECDISP     $CHAR2. /* RECODED DISP STATUS */
17                 @502    DRG              3.
18                 @505    MDC         $CHAR2.
19                 @538    BASERWP          9.4
20                 @547    OUTRWP           9.4
21                 @556    OUTCAT      $CHAR1.
22                 @5      DRGICAT     $CHAR1.
24                 ;
25
26

NOTE: THE INFILE BIOIN IS:
      DSNAME=HAF.CON.VRI.TMR.SIDR.ARMY.CHAMPRWP.FY91,
      UNIT=3400,VOLUME=003486,DISP=SHR,BLKSIZE=23436,
      LRECL=558,RECFM=FB
NOTE: 395673 RECORDS WERE READ FROM THE INFILE BIOIN.
NOTE: THE DATA SET WORK.TEMP1 HAS 395673 OBSERVATIONS AND 16 VARIABLES.
NOTE: THE DATA STATEMENT USED 41.67 CPU SECONDS AND 2915K.

2                                                       THE SAS
SYSTEM                                09:24 TUESDAY, APRIL 14, 1992

26           DATA FIRSTSUM; SET TEMP1 (KEEP=DMISID BASERWP OUTRWP);
```

-- Continued --

```
27

NOTE: THE DATA SET WORK.FIRSTSUM HAS 395673 OBSERVATIONS AND 3
VARIABLES.
NOTE: THE DATA STATEMENT USED 9.45 CPU SECONDS AND 2963K.

27          PROC SUMMARY NWAY;
28            CLASS DMISID;
29            VAR BASERWP OUTRWP;
30            OUTPUT OUT=FIRSTRWP SUM=BASE1 OUT1;
31
32

NOTE: THE DATA SET WORK.FIRSTRWP HAS 51 OBSERVATIONS AND 5 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 16.96 CPU SECONDS AND 3044K.

32         DATA FIRSTREP; SET FIRSTRWP;
33           FIRSTTOT=SUM(BASE1,OUT1);
34

NOTE: THE DATA SET WORK.FIRSTREP HAS 51 OBSERVATIONS AND 6 VARIABLES.
NOTE: THE DATA STATEMENT USED 0.04 CPU SECONDS AND 3046K.

34           PROC PRINT;
35           VAR DMISID FIRSTTOT BASE1 OUT1;
36             TITLE2 'TOTAL RWPS, BASE RWPS, AND OUTLIER RWPS BY DMISID';
37
38

NOTE: THE PROCEDURE PRINT PRINTED PAGE 1.
NOTE: THE PROCEDURE PRINT USED 0.05 CPU SECONDS AND 3104K.

38           DATA SUMMS; SET TEMP1 (KEEP=DMISID MDC DRG BASERWP OUTRWP
39                                     DRGICAT DMISBENF OUTCAT);
40         DISPS = 1;
41         TOTRWP = SUM(BASERWP,OUTRWP);
42
43

NOTE: THE DATA SET WORK.SUMMS HAS 395673 OBSERVATIONS AND 11 VARIABLES.
NOTE: THE DATA STATEMENT USED 11.57 CPU SECONDS AND 3108K.
```

-- Continued --

EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

```
43            PROC SUMMARY NWAY DATA=SUMMS;
44              CLASS OUTCAT;
45              VAR BASERWP OUTRWP TOTRWP DISPS;
46              OUTPUT OUT=SUMMOUT SUM=;
47

NOTE: THE DATA SET WORK.SUMMOUT HAS 3 OBSERVATIONS AND 7 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 18.41 CPU SECONDS AND 3108K.

47            PROC PRINT DATA=SUMMOUT;
48              VAR OUTCAT TOTRWP BASERWP OUTRWP DISPS;
49              TITLE2 'RWPS AND DISPOSITIONS BY OUTLIER STATUS';
50
51

NOTE: THE PROCEDURE PRINT PRINTED PAGE 2.
3                                                          THE SAS
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NOTE: THE PROCEDURE PRINT USED 0.03 CPU SECONDS AND 3108K.

51            PROC SUMMARY NWAY DATA=SUMMS;
52              CLASS DRGICAT;
53              VAR BASERWP OUTRWP TOTRWP DISPS;
54              OUTPUT OUT=SUMMICAT SUM=;
55

NOTE: THE DATA SET WORK.SUMMICAT HAS 4 OBSERVATIONS AND 7 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 18.38 CPU SECONDS AND 3108K.

55            PRC  PRINT DATA=SUMMICAT;
56              VAR DRGICAT TOTRWP BASERWP OUTRWP DISPS;
57              TITLE2 'RWPS AND DISPOSITIONS BY TRANSFER STATUS';
58
59

NOTE: THE PROCEDURE PRINT PRINTED PAGE 3.
NOTE: THE PROCEDURE PRINT USED 0.04 CPU SECONDS AND 3108K.

67            PROC SUMMARY NWAY DATA=SUMMS;
68              CLASS MDC;
69              VAR BASERWP OUTRWP TOTRWP DISPS;
```

-- Continued --

```
70              OUTPUT OUT=SUMMMDC  SUM=;
71

NOTE: THE DATA SET WORK.SUMMMDC HAS 26 OBSERVATIONS AND 7 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 19.09 CPU SECONDS AND 3108K.

71            PROC PRINT DATA=SUMMMDC ;
72              VAR MDC TOTRWP BASERWP OUTRWP DISPS;
73              TITLE2 'RWPS AND DISPOSITIONS BY MDC';
74
75

NOTE: THE PROCEDURE PRINT PRINTED PAGE 5.
NOTE: THE PROCEDURE PRINT USED 0.03 CPU SECONDS AND 3108K

75            PROC SUMMARY NWAY DATA=SUMMS;
76              CLASS DMISBENF;
4                                                       THE SAS
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77              VAR BASERWP OUTRWP TOTRWP DISPS;
78              OUTPUT OUT=SUMMBENF SUM=;
79

NOTE: THE DATA SET WORK.SUMMBENF HAS 7 OBSERVATIONS AND 7 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 18.39 CPU SECONDS AND 3108K.

79            PROC PRINT DATA=SUMMBENF;
80              VAR DMISBENF TOTRWP BASERWP OUTRWP DISPS;
81              TITLE2 'RWPS AND DISPOSITIONS BY DMIS BENEFICIARY TYPE';
82

NOTE: THE PROCEDURE PRINT PRINTED PAGE 6.
NOTE: THE PROCEDURE PRINT USED 0.03 CPU SECONDS AND 3108K.

83          DATA ONE;
84
85            SET TEMP1       (KEEP=DMISID  MDC DRG BASERWP OUTRWP OUTCAT
86                                  DRGICAT DMISBENF);
87            DISPS = 1;
88            TOTRWP = SUM(BASERWP,OUTRWP);
89
```

-- Continued --

```
90

NOTE: THE DATA SET WORK.ONE HAS 395673 OBSERVATIONS AND 11 VARIABLES.
NOTE: THE DATA STATEMENT USED 11.47 CPU SECONDS AND 3108K.

97          DATA SUMIN; SET ONE;
98            IF (OUTCAT = '0') AND (BASERWP GT 0);
99

NOTE: THE DATA SET WORK.SUMIN HAS 332787 OBSERVATIONS AND 11 VARIABLES.
NOTE: THE DATA STATEMENT USED 10.23 CPU SECONDS AND 3108K.

99          PROC SUMMARY NWAY;
100           CLASS DMISID;
101           VAR BASERWP DISPS;
102           OUTPUT OUT=INSUM  SUM=INRWP INCNT;
103
104

5                                                       THE SAS
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NOTE: THE DATA SET WORK.INSUM HAS 50 OBSERVATIONS AND 5 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 14.73 CPU SECONDS AND 3108K.

104         DATA SUMSS; SET ONE;
105           IF (OUTCAT = '1') AND (BASERWP GT 0);
106

NOTE: THE DATA SET WORK.SUMSS HAS 47 OBSERVATIONS AND 11 VARIABLES.
NOTE: THE DATA STATEMENT USED 6.82 CPU SECONDS AND 3108K.

106         PROC SUMMARY NWAY;
107           CLASS DMISID;
108           VAR BASERWP DISPS;
109           OUTPUT OUT=SSSUM SUM=SSRWP SSCNT;
110
111

NOTE: THE DATA SET WORK.SSSUM HAS 18 OBSERVATIONS AND 5 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 0.04 CPU SECONDS AND 3108K.
```

-- Continued --

```
111          DATA SUMLS; SET ONE;
112            IF (OUTCAT = '2') AND (BASERWP GT 0);
113

NOTE: THE DATA SET WORK.SUMLS HAS 10337 OBSERVATIONS AND 11 VARIABLES.
NOTE: THE DATA STATEMENT USED 6.89 CPU SECONDS AND 3108K.

113          PROC SUMMARY NWAY;
114            CLASS DMISID;
115            VAR BASERWP OUTRWP DISPS TOTRWP;
116            OUTPUT OUT=LSSUM SUM=LSBRWP LSLRWP LSCNT;
117
118

NOTE: THE DATA SET WORK.LSSUM HAS 50 OBSERVATIONS AND 6 VARIABLES.
NOTE: THE PROCEDURE SUMMARY USED 0.54 CPU SECONDS AND 3108K.

118            DATA COMETO;
119              MERGE INSUM SSSUM LSSUM;
120              BY DMISID;
121
122              TOTALRWP = SUM(INRWP,SSRWP,LSBRWP,LSLRWP);
123              GOODDISP = SUM(INCNT,SSCNT,LSCNT);
124
125

NOTE: THE DATA SET WORK.COMETO HAS 51 OBSERVATIONS AND 16 VARIABLES.
NOTE: THE DATA STATEMENT USED 0.10 CPU SECONDS AND 3316K.

125              PROC PRINT;
126              VAR DMISID TOTALRWP GOODDISP INRWP INCNT SSRWP SSCNT LSBRWP
127                        LSLRWP LSCNT;
128              TITLE2 'RWPS AND DISPOSITIONS BY DMISID AND OUTLIER STATUS';
NOTE: THE PROCEDURE PRINT PRINTED PAGE 7.
NOTE: THE PROCEDURE PRINT USED 0.07 CPU SECONDS AND 3316K.

NOTE: THE SAS SESSION USED 233.17 CPU SECONDS AND 3316K.
NOTE: SAS INSTITUTE INC., SAS CIRCLE, PO BOX 8000, CARY, NC 27512-8000
```

-- Continued --

EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

FY91 BIOMETRICS TABULATION QC PROGRAM 09:24 TUESDAY, APRIL 14, 1992 1
TOTAL RWPS, BASE RWPS, AND OUTLIER RWPS BY DMISID

OBS	DMISID	FIRSTTOT	BASE1	OUT1
1	0001	1695.59	1657.54	38.05
2	0002	2784.13	2745.00	39.13
3	0003	3416.12	3282.33	133.79
4	0005	2247.97	2171.39	76.58
5	0008	2017.66	1988.64	29.02
6	0022	12346.27	9501.00	2845.27
7	0023	6400.94	6124.15	276.79
8	0031	19333.89	16758.39	2575.50
9	0032	7246.32	7109.70	136.62
10	0037	34521.89	27535.05	6986.83
11	0047	16802.70	15006.68	1796.02
12	0048	9773.73	7999.77	1773.96
13	0049	4069.81	3934.79	135.02
14	0052	21382.09	18434.94	2947.15
15	0057	4220.52	4095.24	125.28
16	0058	1432.27	1430.91	1.35
17	0060	6646.32	6427.32	219.00
18	0061	5972.15	5698.23	273.92
19	0064	5114.50	4976.81	137.69
20	0069	3240.98	3086.34	154.65
21	0070	2115.06	2092.16	22.90
22	0075	5903.79	5611.95	291.84
23	0081	1068.29	1052.81	15.48
24	0082	3224.48	3055.25	169.24
25	0086	2916.43	2889.71	26.72
26	0089	12839.47	12351.58	487.89
27	0098	5844.20	5710.58	133.62
28	0105	6968.40	6659.05	309.35
29	0108	16739.69	15545.20	1194.48
30	0109	24411.43	21099.40	3312.02
31	0110	10906.53	10632.36	274.17
32	0121	2966.19	2932.40	33.80
33	0122	2664.75	2553.09	111.66
34	0123	4818.86	4777.34	41.52
35	0125	17217.25	16351.94	865.31
36	0131	1366.27	1349.59	16.68
37	0294	745.74	744.84	0.90

-- Continued --

38	0330	1 81	1 81	0.00	
39	0601	2070.54	1863.93	206.61	
40	0602	2895.21	2632.30	262.91	
41	0603	1250.23	1205.77	44.46	
42	0604	1083.48	1053.22	30.27	
		43 0605	8581.68	7974.57	607.11
44	0606	2568.86	2478.82	90.04	
45	0607	10430.39	9658.66	771.73	
46	0608	4451.23	3869.42	581.80	
47	0609	3002.61	2898.14	104.48	
48	0611	687.96	608.27	79.69	
49	0612	4595.48	4214.46	381.03	
50	0613	5432.64	5202.36	230.28	
51	0614	819.24	803.71	15.53	

FY91 BIOMETRICS TABULATION QC PROGRAM 09:24 TUESDAY, APRIL 14, 1992 2
RWPS AND DISPOSITIONS BY OUTLIER STATUS

OBS	OUTCAT	TOTRWP	BASERWP	OUTRWP	DISPS
1	0	295613.76	295613.76	0.00	384411
2	1	44.83	44.83	0.00	48
3	2	45595.44	14180.30	31415.14	11214

FY91 BIOMETRICS TABULATION QC PROGRAM 09:24 TUESDAY, APRIL 14, 1992 3
RWPS AND DISPOSITIONS BY TRANSFER STATUS

OBS	DRGICAT	TOTRWP	BASERWP	OUTRWP	DISPS
1	1	302080.67	281043.86	21036.81	365512
2	2	12142.49	9942.14	2200.35	13753
3	3	4846.90	3589.05	1257.86	3373
4	4	22183.97	15263.85	6920.12	13035

-- Continued --

EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

FY91 BIOMETRICS TABULATION QC PROGRAM 09:24 TUESDAY, APRIL 14, 1992 5
RWPS AND DISPOSITIONS BY MDC

OBS	MDC	TOTRWP	BASERWP	OUTRWP	DISPS
1	00	0.00	0.00	0.00	18
2	01	18144.24	15704.71	2439.53	14368
3	02	5572.11	4737.02	835.09	7433
4	03	19858.58	17906.28	1952.30	30749
5	04	22428.44	21219.44	1209.01	19447
6	05	33711.43	31323.43	2387.99	24809
7	06	32752.30	31514.90	1237.40	43577
8	07	8264.18	7811.51	452.66	6211
9	08	43755.23	36926.15	6829.08	41811
10	09	15616.45	14646.06	970.39	19427
11	10	5338.93	4910.23	428.69	6387
12	11	9945.20	9191.54	753.66	10242
13	12	6179.40	5685.62	493.78	9276
14	13	13977.96	13325.51	652.45	18527
15	14	26241.82	24324.36	1917.46	53391
16	15	12963.99	11896.12	1067.86	36493
17	16	3677.76	3579.62	98.13	3564
18	17	7143.12	5995.42	1147.71	4434
19	18	6379.12	6193.47	185.65	7533
20	19	20626.01	17872.50	2753.51	10539
21	20	7682.38	7022.94	659.44	5313
22	21	5870.09	5212.88	657.20	7244
23	22	2560.05	1794.02	766.04	844
24	23	8218.98	7536.07	682.92	12918
25	24	1919.19	1437.80	481.38	350
26	25	2427.06	2071.27	355.79	768

FY91 BIOMETRICS TABULATION QC PROGRAM 09:24 TUESDAY, APRIL 14, 1992 6
RWPS AND DISPOSITIONS BY DMIS BENEFICIARY TYPE

OBS	DMISBENF	TOTRWP	BASERWP	OUTRWP	DISPS
1	ACT	119812.32	102954.88	16857.45	127116
2	DA	88194.71	84071.53	4123.19	147135
3	DR	37270.55	35229.23	2041.32	38161
4	DS	10636.31	9704.90	931.41	9236

-- Continued --

5	GRD	8233.57	7480.99	752.59	9780
6	OTH	13168.89	11269.31	1899.57	11760
7	RET	63937.68	59128.07	4809.61	52485

FY91 BIOMETRICS TABULATION QC PROGRAM 09:24 TUESDAY, APRIL 14, 1992 7
RWPS AND DISPOSITIONS BY DMISID AND OUTLIER STATUS

OBS	DMISID	TOTALRWP	GOODDISP	INRWP	INCNT	SSRWP	SSCNT	LSBRWP	LSLRWP	LSCNT
1	0001	1695.59	2274	1376.27	1864	.	.	34.48	35.12	28
2	0002	2784.13	4138	2245.40	3366	.	.	23.78	38.62	43
3	0003	3416.12	4763	2869.69	4221	6.7038	11	39.21	116.20	36
4	0005	2247.97	3805	1878.02	3355	.	.	37.27	76.58	77
5	0008	2017.66	3122	1715.90	2732	1.0616	1	23.72	29.02	42
6	0022	12346.27	8314	7926.45	6972	0.3248	1	634.67	2422.75	421
7	0023	6400.94	9623	5374.85	8674	.	.	96.91	247.69	113
8	0031	19333.89	16572	14561.19	14433	2.8902	3	1135.90	2488.30	749
9	0032	7246.32	11176	6161.43	9979	.	.	108.49	127.46	142
10	0037	34521.89	26205	22997.82	21883	12.7204	7	2489.18	6599.25	1735
11	0047	16802.70	15799	11865.43	12590	2.7388	2	949.28	1735.87	625
12	0048	9773.73	11341	6449.27	9211	.	.	310.05	1535.16	295
13	0049	4069.81	6032	3406.79	5414	.	.	73.31	132.17	72
14	0052	21382.09	22585	15765.25	20107	4.4702	5	1210.35	2836.26	850
15	0057	4220.52	6541	3604.11	5907	.	.	67.82	113.18	91
16	0058	1432.27	1892	1283.44	1683	.	.	2.26	1.35	2
17	0060	6646.32	9772	5498.09	8452	.	.	101.99	172.21	136
18	0061	5972.15	8845	4543.32	7035	.	.	82.35	230.61	102
19	0064	5114.50	7771	4186.71	6799	0.9634	1	67.50	124.34	67
20	0069	3240.98	4361	2626.08	3666	.	.	36.73	148.25	32
21	0070	2115.06	2832	1416.45	1925	1.6606	2	13.64	22.41	16
22	0075	5903.79	8262	4117.89	5866	.	.	98.71	216.91	100
23	0081	1068.29	1483	864.51	1169	.	.	8.53	13.47	13
24	0082	3224.48	3747	2205.10	2651	0.5196	1	67.21	147.15	70
25	0086	2916.43	4404	2147.99	3184	.	.	19.93	22.36	32
26	0089	12839.47	17765	10642.46	15552	0.6166	1	273.04	435.26	289
27	0098	5844.20	8516	4664.47	6824	.	.	77.84	119.09	81
28	0105	6968.40	7933	4127.09	4967	.	.	127.58	274.87	137
29	0108	16739.69	17334	13379.69	15115	2.3172	2	983.04	1149.96	662
30	0109	24411.43	19173	18532.17	17135	0.6748	1	1569.16	3269.01	593
31	0110	10906.53	16668	8892.14	14011	0.9634	1	121.66	254.49	129
32	0121	2966.19	4389	2253.61	3256	1.2556	1	25.62	32.73	56

-- Continued --

EXHIBIT C-2: FY91 ARMY RWP QC JOB LOG

33	0122	2664.75	3214	1961.11	2340	3.6228	5	37.71	87.01	40
34	0123	4818.86	7869	4265.70	7030	.	.	16.61	34.65	22
35	0125	17217.25	20682	14403.79	18553	0.5196	1	506.30	836.52	343
36	0131	1366.27	2456	1134.40	2087	0.1624	1	13.49	16.68	21
37	0294	745.74	1123	596.19	906	.	.	0.96	0.90	2
38	0330	1.81	1	.	.	.	.	.	.	.
39	0601	2070.54	2862	1512.08	2433	.	.	65.58	172.68	86
40	0602	2895.21	3919	1980.07	3154	.	.	266.05	227.03	235
41	0603	1250.23	1754	976.47	1523	.	.	65.03	36.24	60
42	0604	1083.48	1685	894.64	1433	.	.	5.79	23.97	13
43	0605	8581.68	10952	6005.61	8518	.	.	308.19	561.49	329
44	0606	2568.86	4021	2036.95	3493	.	.	149.26	87.92	149
45	0607	10430.39	11336	7872.66	9189	.	.	398.89	698.02	362
46	0608	4451.23	5661	3025.80	4606	.	.	176.82	536.44	243
47	0609	3002.61	4946	2548.99	4443	.	.	42.19	103.26	67
48	0611	687.96	1040	481.95	874	.	.	10.66	79.69	18
49	0612	4595.48	5909	3354.25	4913	.	.	279.40	370.56	318
50	0613	5432.64	7422	4201.10	6195	.	.	164.41	219.78	170
51	0614	819.24	1297	660.57	1099	.	.	11.25	15.16	23

EXHIBIT C-3: SAMPLE OUTPUT FROM TRIM POINT QC PROGRAM

CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA

DRG	DRGTITLE	DRG_WGHT	GLOS	PER_DIEM	SS_WGHT	LS_WGHT	LO_CUTPT	HI_CUTPT
1	CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA	3.8296	10.1	0.37917	0.75834	0.22750	1	39
2	CRANIOTOMY FOR TRAUMA AGE >17	4.7208	9.4	0.50221	1.00443	0.30133	1	38
3	CRANIOTOMY AGE 0-17	2.8052	5.9	0.47546	0.95092	0.28527	1	34
4	SPINAL PROCEDURES	2.1169	6.4	0.33077	0.66153	0.19846	1	35
5	EXTRACRANIAL VASCULAR PROCEDURES	1.7360	4.7	0.36936	0.73872	0.22162	1	26
6	CARPAL TUNNEL RELEASE	0.6616	2.0	0.33080	0.66160	0.19848	1	14
7	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W CC	2.3772	6.7	0.35481	0.70961	0.21288	1	35
8	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W/O CC	0.8947	2.4	0.37279	0.74558	0.22368	1	24
9	SPINAL DISORDERS & INJURIES	3.2092	11.9	0.26968	0.53936	0.16181	1	40
10	NERVOUS SYSTEM NEOPLASMS W CC	1.5659	6.4	0.24467	0.48934	0.14680	1	35
11	NERVOUS SYSTEM NEOPLASMS W/O CC	0.9778	3.6	0.27161	0.54322	0.16297	1	32
12	DEGENERATIVE NERVOUS SYSTEM DISORDERS	1.9710	7.2	0.27375	0.54750	0.16425	1	36
13	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	0.9247	5.3	0.17447	0.34894	0.10468	1	34
14	SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TIA	1.5377	5.9	0.26063	0.52125	0.15638	1	34
15	TRANSIENT ISCHEMIC ATTACKS AND PRECEREBRAL OCCLUSIONS	0.7414	3.1	0.23916	0.47832	0.14350	1	21
16	NONSPECIFIC CEREBROVASCULAR DISORDERS W CC	1.6854	6.3	0.26752	0.53505	0.16051	1	35
17	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	1.0644	3.9	0.27292	0.54585	0.16375	1	32
18	CRANIAL & PERIPHERAL NERVE DISORDERS W CC	0.9274	4.6	0.20161	0.40322	0.12097	1	33
19	CRANIAL & PERIPHERAL NERVE DISORDERS W/O CC	0.6960	3.3	0.21091	0.42182	0.12655	1	32
20	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS	1.8427	7.4	0.24901	0.49803	0.14941	1	36
21	VIRAL MENINGITIS	0.6273	3.5	0.17923	0.35846	0.10754	1	18
22	HYERTENSIVE ENCEPHALOPATHY	0.8183	3.3	0.24797	0.49594	0.14878	1	29
23	NONTRAUMATIC STUPOR & COMA	0.6934	2.2	0.31518	0.63036	0.18911	1	16
24	SEIZURE & HEADACHE AGE > 17 W CC	0.8443	3.6	0.23453	0.46906	0.14072	1	31
25	SEIZURE & HEADACHE AGE > 17 W/O CC	0.5386	2.8	0.19236	0.38471	0.11541	1	22
26	SEIZURE & HEADACHE AGE 0-17	0.5357	2.4	0.22321	0.44642	0.13393	1	19
27	TRAUMATIC STUPOR & COMA, COMA>1 HR	2.2539	4.3	0.52416	1.04833	0.31450	1	33
28	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W CC	1.2917	4.6	0.28080	0.56161	0.16848	1	33
29	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/O CC	1.2370	3.5	0.35343	0.70686	0.21206	1	32
30	TRAUMATIC STUPOR & COMA <1 HR AGE 0-17	0.5955	2.0	0.29775	0.59550	0.17865	1	23
31	CONCUSSION AGE >17 W CC	0.6317	2.2	0.28714	0.57427	0.17228	1	21
32	CONCUSSION AGE >17 W/O CC	0.4484	1.8	0.24911	0.49822	0.14947	1	13
33	CONCUSSION AGE 0-17	0.2882	1.3	0.22169	0.44338	0.13302	1	4
34	OTHER DISORDERS OF NERVOUS SYSTEM W CC	2.1045	5.3	0.39708	0.79415	0.23825	1	34
35	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	1.1231	3.7	0.30354	0.60708	0.18212	1	32
36	RETINAL PROCEDURES	0.7892	2.0	0.39460	0.78920	0.23676	1	10

EXHIBIT C-4: SAMPLE OUTPUT FROM BEDDAY QC PROGRAM

FY91 TOTAL ALL SERVICES
TOTAL DISPOSITIONS AND BEDDAYS FOR EACH DRG
SORTED ON DESCENDING BEDDAYS
(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)

DRG	DRGTITLE	DISP	BEDDAYS	ALOS	PCTTOTDY	PCTTOTDP	CUMDAY	CUMDSP
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	58650	169660	2.8928	4.50%	7.14%	4.50%	7.14%
391	NORMAL NEWBORNS	61520	159854	2.5984	4.24%	7.49%	8.75%	14.63%
901	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE > 21 W/O	7094	120505	16.9869	3.20%	0.86%	11.95%	15.49%
430	PSYCHOSES	4815	105179	21.8440	2.79%	0.58%	14.74%	16.08%
436	ALC/DRUG DEPENDENCE W REHABILITATION THERAPY	2700	93088	34.4770	2.47%	0.32%	17.21%	16.41%
371	CESAREAN SECTION W/O C. C.	11583	57372	4.9531	1.52%	1.41%	18.74%	17.82%
243	MEDICAL BACK PROBLEMS	9554	54406	5.6946	1.44%	1.16%	20.18%	18.98%
630	NEONATE, BIRTHWT >2499G, W/O SIGNIF OR PROC, W OTHER PROB	17097	50953	2.9802	1.35%	2.08%	21.54%	21.07%
183	ESOPHAGITIS, GASTROENT, & MISC DIGEST DISORDERS AGE >17 W/O CC	21761	50320	2.3124	1.33%	2.65%	22.87%	23.72%
222	KNEE PROCEDURES W/O CC	12350	48012	3.8876	1.27%	1.50%	24.15%	25.22%
359	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W/O CC	10225	47642	4.6594	1.26%	1.24%	25.41%	26.47%
427	NEUROSES EXCEPT DEPRESSIVE	4940	44581	9.0245	1.18%	0.60%	26.60%	27.07%
426	DEPRESSIVE NEUROSES	4589	42201	9.1961	1.12%	0.55%	27.72%	27.63%
900	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE <=21 W/O	2356	36922	15.6715	0.98%	0.28%	28.70%	27.91%
467	OTHER FACTORS INFLUENCING HEALTH STATUS	10707	34098	3.1846	0.90%	1.30%	29.60%	29.22%
215	BACK & NECK PROCEDURES W/O CC	3186	32614	10.2367	0.86%	0.38%	30.47%	29.61%
468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	3544	31897	9.0003	0.84%	0.43%	31.32%	30.04%
383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS	9647	29708	3.0795	0.78%	1.17%	32.11%	31.21%
370	CESAREAN SECTION WITH C. C.	4178	29629	7.0917	0.78%	0.50%	32.89%	31.72%
372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	6641	28519	4.2944	0.75%	0.80%	33.65%	32.53%
421	VIRAL ILLNESS AGE >17	7346	28511	3.8812	0.75%	0.89%	34.41%	33.42%
162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W/O CC	10610	27372	2.5798	0.72%	1.29%	35.14%	34.72%
198	TOTAL CHOLECYSTECTOMY W/O C.D.E. W/O CC	5537	26612	4.8062	0.70%	0.67%	35.84%	35.39%
231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP & FEMUR	7751	25012	3.2269	0.66%	0.94%	36.51%	36.33%
125	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W/O COMPLEX DIAG	6038	24419	4.0442	0.64%	0.73%	37.15%	37.07%
148	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC	1388	23618	17.0159	0.62%	0.16%	37.78%	37.24%
69	OTITIS MEDIA & URI >17 W/O CC	8419	23152	2.7500	0.61%	1.02%	38.40%	38.26%
88	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	3717	22472	6.0457	0.59%	0.45%	38.99%	38.72%
379	THREATENED ABORTION	7350	22109	3.0080	0.58%	0.89%	39.58%	39.61%
428	DISORDERS OF PERSONALITY & IMPULSE CONTROL	2518	22059	8.7605	0.58%	0.30%	40.17%	39.92%
483	TRACHEOSTOMY EXCEPT FOR MOUTH, LARNYX OR PHARNYX DISORDER	448	22040	49.1964	0.58%	0.05%	40.75%	39.97%
209	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES	1382	21440	15.5137	0.56%	0.16%	41.32%	40.14%

EXHIBIT C-5: SAMPLE OUTPUT FROM CROSS TABULATION QC PROGRAM

FY91 TOTAL ALL SERVICES
TOTAL DISPOSITIONS, BAD DISPOSITIONS, TOTAL RWPS AND
BED DAYS FOR EACH BENEFICIARY CATEGORY

DMISBENF	TOT_DISP	BAD_DISP	TOT_RWP	DMISDAYS
ACT	257861	46	240481.99	1418971
DA	326425	100	190055.09	1038257
DR	82017	12	80277.98	386415
DS	18315	2	21089.28	116945
GRD	12816	.	10938.79	63495
OTH	20711	8	19471.05	111238
RET	102941	9	126861.09	629712

EXHIBIT C-6: SAMPLE OUTPUT FROM LOS PERCENTILE QC PROGRAM

FY91 TOTAL ALL SERVICES
TOTAL DISPOSITIONS AND LOS PERCENTILES FOR EACH DRG

DRG	DRGTITLE	DISP	P10	P25	P50	P75	P90	MINLOS	MAXLOS	ALOS	SD	CV
1	CRANIOTOMY AGE >17 EXCEPT FOR TRAUMA	571	6	9	16.0	29	47.0	0	164	22.9440	21.7129	0.94634
2	CRANIOTOMY FOR TRAUMA AGE >17	123	1	5	9.0	19	31.0	0	239	17.5041	31.1083	1.77721
3	CRANIOTOMY AGE 0-17	230	2	4	7.0	14	24.0	1	107	12.3739	16.1529	1.30540
4	SPINAL PROCEDURES	331	3	5	10.0	17	34.0	0	128	13.7553	13.4380	0.97693
5	EXTRACRANIAL VASCULAR PROCEDURES	596	4	6	8.0	12	18.0	0	57	10.2718	7.3173	0.71237
6	CARPAL TUNNEL RELEASE	2151	1	1	1.0	1	3.0	0	37	1.5997	2.0211	1.26340
7	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W CC	110	1	3	8.0	21	42.5	1	140	17.4455	25.3860	1.45517
8	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W/O CC	1593	1	1	2.0	3	8.0	0	168	4.0151	8.9322	2.22468
9	SPINAL DISORDERS & INJURIES	176	0	1	2.5	8	18.0	0	183	7.3523	16.3735	2.22700
10	NERVOUS SYSTEM NEOPLASMS W CC	274	1	3	7.0	16	31.0	0	105	12.7591	15.4130	1.20800
11	NERVOUS SYSTEM NEOPLASMS W/O CC	293	1	1	4.0	9	19.0	0	78	8.4369	12.8889	1.52769
12	DEGENERATIVE NERVOUS SYSTEM DISORDERS	644	1	1	5.0	11	20.0	0	1083	9.6755	43.4451	4.49024
13	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	508	1	2	5.0	10	17.0	0	167	7.8307	11.8161	1.50894
14	SPECIFIC CEREBROVASCULAR DISORDERS EXCEPT TIA	2030	1	3	6.0	12	20.0	0	364	9.5527	14.2311	1.48974
15	TRANSIENT ISCHEMIC ATTACKS AND PRECEREBRAL OCCLUSIONS	1283	1	2	3.0	6	10.0	0	84	4.8792	5.4481	1.11660
16	NONSPECIFIC CEREBROVASCULAR DISORDERS W CC	111	1	3	6.0	13	21.0	1	68	10.4324	12.3484	1.18366
17	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	197	1	1	4.0	8	17.0	0	100	7.7157	12.3768	1.60409
18	CRANIAL & PERIPHERAL NERVE DISORDERS W CC	279	1	2	5.0	10	17.0	0	81	8.1434	10.5138	1.29109
19	CRANIAL & PERIPHERAL NERVE DISORDERS W/O CC	1628	1	1	3.0	7	14.0	0	404	6.3489	17.2006	2.70922
20	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS	574	1	3	8.0	13	21.0	0	149	10.8380	15.3602	1.41726
21	VIRAL MENINGITIS	920	1	2	3.0	4	7.0	0	22	3.8228	2.6361	0.68957
22	HYERTENSIVE ENCEPHALOPATHY	109	1	2	3.0	7	10.0	1	49	5.4679	6.8253	1.24825
23	NONTRAUMATIC STUPOR & COMA	111	1	1	3.0	7	9.0	0	61	4.6847	6.7581	1.44260
24	SEIZURE & HEADACHE AGE > 17 W CC	897	1	2	4.0	7	12.0	0	70	5.4314	6.4720	1.19157
25	SEIZURE & HEADACHE AGE > 17 W/O CC	4062	1	1	2.0	5	9.0	0	258	4.4242	8.1893	1.85104
26	SEIZURE & HEADACHE AGE 0-17	1974	1	1	2.0	3	5.0	0	64	2.6418	3.4928	1.32210
27	TRAUMATIC STUPOR & COMA, COMA>1 HR	388	1	1	1.0	4	12.0	0	73	4.5284	8.4918	1.87525
28	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W CC	236	1	1	2.0	6	17.0	0	88	6.3390	10.8590	1.71306
29	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/O CC	1142	1	1	1.0	2	5.0	0	374	3.5298	13.7551	3.89688
30	TRAUMATIC STUPOR & COMA <1 HR AGE 0-17	686	1	1	1.0	1	3.0	0	24	1.6268	2.2313	1.37158
31	CONCUSSION AGE >17 W CC	80	1	1	1.5	2	5.0	1	10	2.1750	1.8403	0.84612
32	CONCUSSION AGE >17 W/O CC	706	1	1	1.0	2	3.0	0	19	1.8513	1.9312	1.04319
33	CONCUSSION AGE 0-17	292	1	1	1.0	1	2.0	0	7	1.2089	0.6843	0.56603
34	OTHER DISORDERS OF NERVOUS SYSTEM W CC	443	1	1	4.0	8	16.0	0	180	7.5350	14.0429	1.86370

EXHIBIT C-7: OUTPUT FROM LOS FREQUENCY QC PROGRAM

FY91 TOTAL ALL SERVICES
LENGTH OF STAY FREQUENCIES
(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)

LOS	TOT_DISP	BAD_DISP	DMISDAYS	TOT_RWP	CMI
0	8297	8	0	4929.40	0.59469
1	234568	58	234568	150011.62	0.63968
2	184451	13	368902	105532.73	0.57219
3	121321	23	363963	72663.32	0.59905
4	73048	13	292192	54811.55	0.75048
5	44150	8	220750	38350.81	0.86881
6	28329	8	169974	27417.28	0.96809
7	22850	10	159950	24444.75	1.07026
8	16292	6	130336	19041.11	1.16917
9	11669	3	105021	14962.04	1.28253
10	9472	2	94720	12768.12	1.34827
11	7661	6	84271	10828.34	1.41454
12	5968	3	71616	9006.57	1.50990
13	4852	3	63076	7642.19	1.57603
14	4782	0	66948	7620.88	1.59366
15	3821	4	57315	6455.17	1.69116
16	3124	1	49984	5459.74	1.74824
17	2659	0	45203	4795.52	1.80350
18	2441	1	43938	4616.15	1.89186
19	2055	1	39045	3907.79	1.90253
20	1768	1	35360	3320.52	1.87919
21	2022	0	42462	3859.46	1.90873
22	1598	1	35156	3227.58	2.02103
23	1325	0	30475	2744.82	2.07157
24	1238	0	29712	2671.20	2.15767
25	1159	1	28975	2493.90	2.15363
26	1035	1	26910	2167.33	2.09606
27	960	0	25920	2089.69	2.17677
28	1335	0	37380	2750.46	2.06027
29	1091	0	31639	2355.42	2.15896
30	836	0	25080	1895.91	2.26784
31	727	0	22537	1661.00	2.28473
32	737	0	23584	1843.07	2.50077
33	594	0	19602	1400.84	2.35832
34	568	0	19312	1425.83	2.51026
35	653	0	22855	1608.83	2.46375
36	539	0	19404	1433.72	2.65996
37	600	0	22200	1497.86	2.49644
38	560	1	21280	1484.48	2.65560
39	775	1	30225	1717.43	2.21891
40	584	0	23360	1588.67	2.72032

EXHIBIT C-8: SAMPLE OUTPUT FROM RWP QC PROGRAM FOR EACH DRG

FY91 TOTAL ALL SERVICES
SHORT-STAY, INLIER, LONG-STAY, TRANSFER AND TOTAL
DISPOSITIONS AND RWPS SORTED ON TOTAL RWPS FOR EACH DRG
(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)

DRG	DRGTITLE	SSDISP	SSRWPS	INDISP	INRWPS	LSDISP	LSRWPS	TRDISP	TRRWPS	TOT_DISP	TOT_RWPS	RWPPCT
373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	0	0	57129	22371.72	1465	2069.00	56	14.80	58650	24455.52	3.54%
222	KNEE PROCEDURES W/O CC	0	0	11906	11748.84	419	1610.49	25	84.74	12350	13444.07	1.95%
183	ESOPHAGITIS, GASTROENT, & MISC DIGEST DISORDERS AGE >17 W/O CC	0	0	21469	11511.68	80	146.72	212	90.46	21761	11748.86	1.70%
430	PSYCHOSES	0	0	3220	4966.85	776	4208.82	819	964.77	4815	10140.44	1.47%
371	CESAREAN SECTION W/O C. C.	0	0	10987	8453.40	551	1144.17	45	23.74	11583	9621.30	1.39%
901	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE > 21 W/O	0	0	4811	6847.50	1122	2088.95	1161	660.81	7094	9597.26	1.39%
359	UTERUS & ADENEXA PROC FOR NON-MALIGNANCY W/O CC	0	0	10050	9144.49	168	269.76	7	6.53	10225	9420.79	1.36%
428	DISORDERS OF PERSONALITY & IMPULSE CONTROL	0	0	2362	8343.76	84	746.20	72	168.92	2518	9258.89	1.34%
427	NEUROSES EXCEPT DEPRESSIVE	0	0	4576	8288.97	160	745.76	204	217.23	4940	9251.96	1.34%
468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	0	0	3311	7360.68	166	1443.54	67	145.51	3544	8949.74	1.29%
187	DENTAL EXTRACTIONS & RESTORATIONS	0	0	12860	8279.27	23	120.91	4	4.35	12887	8404.53	1.21%
231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP & FEMUR	0	0	7648	7330.61	89	633.27	14	15.34	7751	7979.22	1.15%
483	TRACHEOSTOMY EXCEPT FOR MOUTH, LARNYX OR PHARNYX DISORDER	0	0	227	2670.20	146	3573.78	75	1645.79	448	7889.77	1.14%
391	NORMAL NEWBORNS	0	0	61283	7488.78	183	42.71	54	4.68	61520	7536.17	1.09%
243	MEDICAL BACK PROBLEMS	0	0	8447	5286.98	128	489.37	979	480.86	9554	6257.21	0.90%
426	DEPRESSIVE NEUROSES	0	0	4113	5314.00	152	521.73	324	209.91	4589	6045.64	0.87%
361	LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION	0	0	8180	5985.31	3	6.22	2	2.74	8185	5994.27	0.86%
162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W/O CC	0	0	10341	5474.53	253	362.01	16	13.63	10610	5850.17	0.84%
125	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W/O COMPLEX DIAG	0	0	5830	5293.06	62	183.40	146	132.68	6038	5609.13	0.81%
467	OTHER FACTORS INFLUENCING HEALTH STATUS	0	0	10073	4638.62	378	749.42	256	110.18	10707	5498.22	0.79%
198	TOTAL CHOLECYSTECTOMY W/O C.D.E. W/O CC	0	0	5484	5368.84	45	86.11	8	6.99	5537	5461.93	0.79%
148	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC	3	1.8498	1273	4474.47	71	565.17	41	150.52	1388	5192.01	0.75%
39	LENS PROCEDURES WITH OR WITHOUT VITRECTOMY	0	0	6097	4417.28	173	383.83	5	3.79	6275	4804.90	0.69%
112	PERCUTANEOUS CARDIOVASCULAR PROCEDURES	0	0	1933	4381.92	34	302.75	18	34.64	1985	4719.31	0.68%
143	CHEST PAIN	0	0	7376	4362.17	78	113.39	310	157.82	7764	4633.37	0.67%
370	CESAREAN SECTION WITH C. C.	0	0	3907	3763.61	251	806.99	20	10.05	4178	4580.65	0.66%
215	BACK & NECK PROCEDURES W/O CC	0	0	3026	3817.30	137	660.28	23	35.80	3186	4513.37	0.65%
225	FOOT PROCEDURES	0	0	5615	4134.32	115	353.57	9	13.15	5739	4501.04	0.65%
900	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT AGE <=21 W/O	0	0	2037	4080.52	126	296.85	193	117.66	2356	4495.03	0.65%
229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC	0	0	5892	3584.69	230	791.21	12	18.25	6134	4394.16	0.63%
421	VIRAL ILLNESS AGE >17	0	0	7275	4300.98	22	27.88	49	21.63	7346	4350.48	0.63%
209	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES	22	14.2208	1243	3655.29	89	556.64	28	82.37	1382	4308.53	0.62%

EXHIBIT C-9: SAMPLE OUTPUT FROM RWP QC PROGRAM FOR EACH MTF

FY91 TOTAL ALL SERVICES
SHORT-STAY, INLIER, LONG-STAY, TRANSFER AND TOTAL
DISPOSITIONS AND RWPS SORTED ON TOTAL RWPS FOR EACH MTF
(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)

DMISID	SSDISP	SSRWPS	INDISP	INRWPS	LSDISP	LSRWPS	TRDISP	TRRWPS	BAD_DISP	TOT_DISP	TOT_RWPS	RWPPCT
0117	8	8.0548	25722	28134.14	1249	6337.39	154	592.67	12	27133	35072.25	5.08%
0037	7	12.7204	24192	24779.74	1902	9391.23	106	338.20	2	26207	34521.89	5.00%
0029	6	6.8400	27669	23608.32	410	1811.65	220	551.50	7	28305	25978.32	3.76%
0124	1	2.4083	26583	22684.57	340	1848.68	134	268.36	7	27058	24804.02	3.59%
0109	1	0.6748	18236	18949.36	557	3729.18	381	1732.21	2	19175	24411.43	3.54%
0052	5	4.4702	21603	17046.18	8[illegible]	4034.21	127	297.23	5	22590	21382.09	3.10%
0031	3	2.8902	15708	15454.25	7	3527.19	106	349.55	4	16576	19333.89	2.80%
0125	1	0.5196	19637	15475.38	351	1304.86	697	436.48	4	20686	17217.25	2.49%
0047	2	2.7388	14951	13810.55	640	2685.65	209	303.75	3	15802	16802.70	2.43%
0108	2	2.3172	16450	14252.58	666	2103.02	232	381.77	16	17350	16739.69	2.42%
0067	9	16.7576	15204	14913.17	436	1694.45	31	54.31	1	15680	16678.69	2.42%
0073	1	2.6796	10961	10538.71	467	2401.23	38	115.45	7	11467	13058.07	1.89%
0089	1	0.6166	16465	11387.77	301	743.59	999	707.49	1	17766	12839.47	1.86%
0022	1	0.3248	7785	8750.55	462	3483.00	67	112.40	1	8315	12346.27	1.79%
0014	9	11.7266	11120	10169.99	355	1364.14	23	70.39	3	11507	11616.25	1.68%
0110	1	0.9634	16128	10229.71	131	388.98	411	286.87	3	16671	10906.53	1.58%
0095	2	2.5732	10133	9266.60	382	1496.33	22	34.22	2	10539	[illegible]09.74	1.56%
0607	0	0	10075	8498.62	369	1017.30	898	914.48	6	11342	10430.39	1.51%
0048	0	0	10610	7378.55	319	2064.65	432	330.53	20	11361	9773.73	1.41%
0027	0	0	10105	8404.66	221	591.62	104	140.08	1	10430	9136.36	1.32%
0066	0	0	8545	6711.49	385	1745.12	199	171.67	0	9129	8628.27	1.25%
0605	0	0	8806	6364.58	333	843.33	1818	1373.76	5	10957	8581.68	1.24%
0103	1	0.6464	10094	7487.71	96	375.00	216	192.89	0	10407	8056.25	1.16%
0032	0	0	10627	6786.45	142	239.54	409	220.33	2	11178	7246.32	1.05%
0105	0	0	7657	6430.55	149	433.08	127	104.77	0	7933	6968.40	1.01%
0039	0	0	8461	6621.21	41	158.74	97	91.13	0	8599	6871.08	0.99%
0060	0	0	9180	6045.29	139	308.67	453	292.36	0	9772	6646.32	0.96%
0042	0	0	8107	6017.60	134	398.00	179	156.31	1	8420	6571.91	0.95%
0023	0	0	9062	5737.35	150	367.02	412	296.57	1	9624	6400.94	0.92%
0628	0	0	7675	5275.02	309	844.02	260	188.60	2	8244	6307.64	0.91%
0024	0	0	7961	5552.35	201	444.46	203	168.41	0	8365	6165.22	0.89%
0055	0	0	6892	5526.55	151	468.10	82	78.59	0	7125	6073.25	0.88%

EXHIBIT C-10: SAMPLE OUTPUT FROM RWP QC PROGRAM FOR EACH SERVICE

FY91 ALL SERVICES
SHORT-STAY, INLIER, LONG-STAY, TRANSFER AND TOTAL
DISPOSITIONS AND RWPS SORTED ON TOTAL RWPS
(CHAMPUS VERSION 8 DRGS AND OUTLIER CRITERIA)

SERVICE	SSDISP	SSRWPS	INDISP	INRWPS	LSDISP	LSRWPS	TRDISP	TRRWPS	BAD_DISP	TOT_DISP	TOT_RWPS	RWPPCT
A	48	44.8322	371030	286394.01	10842	42672.70	13753	12142.49	87	395673	341254.03	49.51%
F	31	32.1226	229005	170774.96	4611	17984.95	5342	4159.82	59	238989	192951.85	27.99%
N	19	30.0240	179608	141460.37	3423	10405.81	3374	3073.19	31	186424	154969.38	22.48%